Higher Education

ILEA poly audit to go ahead

The Juner London Education Authority decided last week that its acchoolings will start up internal auth of its live polytechnics from April I despite the objections of the

ected a request from Dr Collin Adonson of the Pulptechnic of Croner's department will be importiately strengthened at a cost of about £.Bhittt to provide a peripu-

Mr John Revait, the ILEA's senior assistant education officer, reported to the committee that while the directors agreed with the nim of the audit they differed fundamentally on methods. He said the consequence of a refusal by a polytechnic gavernholy to admit the auditors would

" very serings". What this meant was suched out by Mrs Margaret Rees, the rom-uinter chaliman, who pointed out that the ILEA paid between 95 and 93 per rem of the pulytechnics recarrent expenses and award most a

tarient expenses and owned most at the buildings that housed them.

But the HEA's residue to crack the tinoucial whip over its groun-aided pulgicularity, which are all technically limited ranguades, will be shown in the next few weeks need the question of aversess sta-dard markers.

dent monliers.
Last week the geadentic boord of the South Bank Polytechnic pressed the HEA of adsumberationing the issue and called for further discussions despite the 115A's instance, now backed by central government polar, that the launtan polytechoic.

technic of Nurth London and the governors of the City of London will meet later in the north to consider the matter. Mr Vivian Percita Men-dovo, director of the Smatt Rank Polyrechoic and chairman of the committee of Landon directors, said this week the issue was still "very outly upon". He promited in our a lot of, detalled arguments to the ILEA on why the bolytechnics might of he freated differently from its maintained colleges.

Campaign launched

Statements at Lancenter University this week founched a compaling to stop the university continuing the present rate of the toullthood sixth form, Mrs Williams said that 31 per this week founched a compaling to stop the university continuing to stop the university continuing to seek a legal opinion about the use of standard points about the use of standard points and leaving school to join that 300,000 children still left consists at further education colleges.

After hearing counsel's pruliminary remarks of a conformed in the open to the conformal contract of the conformal contract

nory tenurks of a conforence in Juniary 22, the students fear that the aginium may threaten their turing's autonomy and that of other

working party sut up by the university rourt which was concerned that the university had an emirol orac the funds though it had the responsibility log-laying thom.

Sanction likely

for mixed colleges

Coresidence in oil of Oxford's 21

understroduct ecolleges may be specificated the string open proposed in the control of the control

buth sexes if they wish.

The resolution, however, recontmends the continuance of some
single sex undorgraduates calleges

as desicoltie.
The resolution fullows the report The resolution fullows the report of a committee set up last summer of summer of a committee set up last summer of summer of a committee set up last summer of summer of summer of a committee of name ucodemic posts, when a committee o

Lords get London Bill petition

The Association of University Tea-chers has submitted a perition to the House of Lords for amendments to Condon University's private Hill which would ensure fit per cent teacher representation on the univer-sity senate and TDC and CM repescutation on the university court.

The Bill, which has had its lirst reading in Parliament, will, if passed, enable the naiversity to change its constitution. Profer the change, presently proposed, senate will be increased from 59 to 111 seats. Convocation, the budy of gaduates, would get 20 Instead of their existing 18, university teachers 35 instead of 18 and students 12,

Mr John Akkor, assistant general reapority of the 5.500 AUT lecturers able to be made without the constitution. It is recommending their representation on section with the constitution of section with the constitution with the constitution of section with the constitution with the cons rejo escription on senate, by present vious Acts on the government of the 30 per cent and proposed in the university, the AUT says. It would standed to be reduced to 27 per mean, for example, that convocation statues to be reduced to 27 per mean, for example, that convocation cent, he increased to 60 per cent.

Actress and agent for poll

Mr Philip Ages, 41, the former CIA asem who is contesting his deportu-lien from Eritofn, and Miss Fionn Elchmund, the actress, here been minipated in the elections for the recturally of Dandeo University, due to take place in February 25. The other nominations are Mr Clem-ent Frend, EP, what is the present rectur, and Mr Arthur MacDonald, a Dandee graduate and a journalist.

Young people should be offered a two years of education, training, july creation apportunities aid employment, Mrs Shirley Williams, Seriestary of State for Education and Science, said this week.

Sixth-form 'votes with feet'

Alarrayer, it wants this to be enshinted in the Bill Iself.

The association also wants in cluded in the Bill that senare's statutes alount the membership of the university court should include representatives from the wider community of London and its aurrantading area. "Any Bill for a publicly financed institution ought to have statutory responsibility to have on its governing hady representatives from local authorities, trade moious and local industry", Mr Alder suid.

It is particularly concerned about the position in the Hill of convocation which has a membership of some 75,000 former graduates. It meets three times a year and its normal attendance is 100.

Pader the Hill na proposed statute which afters the constitution

and is asking that a paragraph on this subject in the preamble be included in the Bill itsell.

The purograph reads: "It tandamental principle of the progosals that the university should continue as a federal institution and that the schools should retain the independent powers of self-govern-ment which they at present enjoy." The AUT is asking that it should be consulted by the senate before uny new surrores are made, and that this be included in the Bill. If that trude union consultation has

The assuriation has appainted Pro-fessor John Griffith, professor of law at the Lambon School of Ecu-nomics, and Mr Lavis Blon-Conper, Ql', as its legal advisors.

Social work courses hit

Sarial work training courses caulifying short of students next year because of crus in grants and confusion herween control and local gavernment over who should pay.

The Central Council for Education and Training in Sacial Work (CCBTSW) this week predicted a "crisis for social work courses in universities" if grants from the Dapartment of Health and Security were United and the aumauthority social services deport ments continues to fall.

Last tweek the council met Mr Ennals, Secretary for Sucial Ser-rices, and varion blut its position could become highly ambiguous. It had encouraged the rapid expansion of sucial work courses in higher education yet support for suci rourses was now fulling.

rnurses was now lulling.

Presont anxieties stem directly from the imposition of eash limits in hoth centrol and local government. A recent circular from DHSS to course 'tuturs made clear it would put a ceiling on the number of awards it made to postgradonte attidents on Certificate of Qualification in Social Work courses. This ocodemic year about 540 such will be onde, oest year the maximum will be 600.

On the local anthority side.

On the local anthority side, tighter education and social services tighter education and social services hudgets mean less maney for seconding social workers for training of both postgraduate and noo-graduate levels, and the Issue of awards for social work courses at the discretion of locas has been curtalled.

chorses at further education colleges.

Speaking or a nathutol youth conference in London, she gave a broad the quolity and qualifications of much matter that the Government was becoming incremingly sympathetic to the idea of tertiary colleges on a vida scale to cuter for the needs of 16 to 19 year olds. She slso spoke in farmer of young people spending a year of work between school and highest education.

"I bolieve that tertlary collages are a good idee, and my own guest are a good graduate teochers, and the quolity and qualifications of much endied to specialist teachers. Only three fifths of one-your mathematics to achieve the description of the shartage subjects for specialist teachers. Only three fifths of one-your mathematics to achieve the description of the shartage subjects for specialist teachers. Only three fifths of one-your mathematics to achieve the description of the shartage subjects for specialist teachers. Only three fifths of one-your should be made and the qualifications of much mathematics teachers. Only three fifths of one-your should be achieved in the qualifications of much mathematics teachers. Only three fifths of one-your mathematics teachers and the qualifications of much mathematics teachers. Only three fifths of one-your mathematics teachers and completed troibug since 1967 had completed troib lo recent months there has been discussion about muking awards fur sociol work courses mandatory. The sucial service committee of the Assurlation of County Councils, for example, recently decided that CQSW students aged under 25 should get mundatury awards.

Court reserves troia young people jolalog them, benefit ruling

The Court of Appeal this week reserved judgment in a case which could affect the right of thousand

Protest stops royal opening

The opening ceremony of Londung University's Institute of Education new Indiding, which was to have been performed by the Queen new Indiding, which was to have been performed by the Queen of the personally. We are doing new Indiding, which was to have been performed by the Queen student protests.

Students have threetened to hoycott the ceremony and are planning a rally on the Institute's forceourt of Morch I, the doy whom It should have taken place.

Mr Frederick Jamos president of Mr Frederick Jamos presid

NELP survey shows cost details

This week North East Lundon Polyterhnic published what it claims a the lirst detailed survey of educational rosts carried am by a British polytechnic or university. At the same time NELP's director, Dr George Brasan, stoke out about luck of efficiency and accountability

The survey, undertaken in con-junction with Inhycon/AIC Manage mem Consultants, gives a breakdays of unit costs in each of the polytechnic's faculties, expressed as it per Student Full-Time Equivalent (SFTE).

The overall results are summer ized in our table, but more detailed duta are given in thu report itsell. These show for example that atademic stuff cust £1,150 per SFTE in the engineering faculty, cam pured with only £689 in orts.

The exercise was curried on for 1975/76 and for 1976/77. A 20 per cent increase in student number between the two years was accompanied by a 3.9 per cent fall licust per SFTE—despite inflation. Fuculties that gained most sudonts had the higgest decreases in mit costs: thus in art and design the SFTE increose was 42.1 per cent and costs per student fell by 28.6 per cent, while in environmental studies numbers rose only 0.1 per cent and custs were 5.5 per cent tip.

such facts known as for as we are aware", said Dr Brosan. " At NELP wa are convinced that without then figures it is difficult for polytech nies to plan their own future and impossible for them to be belo

occountable to the public. " If the Department of Education and Science were to encourage other polytechnics to follow this example we rould take an analytical look a nor educational system. We would know on a national basis what costs to produce on engineer of sociologist. We would know whether this or that polytechnic is more ell clent to teaching business studies

Brosan suid. "Even on the hasls of our ow survey, we can examinu, our custs ond consider the effects of rodiral steps such as enlarging clusses, increusing holiding use, lengthening teaching time or shortening the neodemic year."

The authors of the report admit their oult cost opprasch has short-comings. It Ignores activities other than teoching—nntably research; gives no indication of the levals of academic ottulnment either anticipa at ted or ochieved; the mothods of coat collection and allocation are

open to orgument and allocation open to orgument and improvement. But they say "thesa limitadom should not be seen on reasons for lovolidating the axerelse but as identifying oreas where we about ondervour in the future to improve the framework."

Paculty 7038.3 1803

Anglican Regional Management Cears NEXT WEEK Austrella's new universities

THE TIMES

Higher Education February 11, 1977. No. 277 SUPPLEMENT Price 18p

Universities up to £19m better off next year than predicted

Preliminary results of o survey by the HGC on student ountbors for 1977/78, taking loto account the number likely to be deterred by increased ruition fees, show that the total may be between 280,000 and

certain universities areas of growth such us those medical schools (Southempton and Lelcester) at lill ropidly exponding, and developments in which it will continue to give particulur support, auch espectroleum engineering ond other subjects closely allied with the needs of industry.

continued oo back page

Squeals at Oakes committee birth

The otcubership 'of Mr Onkes's committee on the management of higher aducation in the public sector was finally announced this week. There were lumned that complaints about its unrepresentativeness and predictions that it will produce no fundamental changes in the way polytachnics and colleges are rue. At a meeting lost week Mr Dudley Fiske, chief ducation office of Moochester, said the committee was likely to be split between those who want them to stay under local authority control, and in any case any changes responsended would require legislation for which the Government had no timo. The Association of University Teachers, the Notional Isolar of Teachers and the Association of Polytechnic Teathers all protested about their exclusion from the calination and they cladued its conclusions would be lavailed teather. Mr Minister of State tesponsible for

Mc Oakes, the Minister of State tesponsible for higher education, told The THES that the entimited and to attempt to decido whore further education to the decide of the decide whore further education opimistic and predicted that it might come up with a regional solution.

There are two clear Issues. First, Italson between polytechnics and universities is put firmly on the second oven though the universities have no formal representation. Dr. Harry Kuy, the vice-chuncellor of Excier University, sits on the committee as a sominor of the Secretary of Stato.

Second, the secretary of Stato.

Second, the terms of cefarence make nd concession this who hoped Mr Oakes's consulttee would fail the articles of association of polytechnic and colleges.

The members of the committee are! Mr Ookes, talroust: Sir Philip Rogers, former permanent accre-

Luthanasia for medical institute

'Captains of industry we are not'

A survey of student utilitides has cunfirmed that most university students see theorselves lacking the qualities needed for success in husl-

Industrial types were seen as ambitious, with technical mints, not particularly broad in unbook with not much desire to be useful or to work with people. Civil servants were not seen as hoving a broad ourlook on life but were considered more likely to weet weet with more likely to wont to work wit people and do sumething useful.

By contrast the average student saw himself with a broad and realis-He outlook, unamblious, not espec ally motivated by money, onxlous to work with people and do nome thing useful.

The survey, of finel year mee students at 18 universities in England and Wolea, we undertaken last sunmer by a market research firm on behalf of several large, rivate firms oud government de

The aurvey concluded: "In seems that the enormous gaps in the belief that industrialists are narrow-minded, ore not concerned with being useful or with working with people, offers a definite and essential area

Despite this disparity between students' assessment of themselves and the qualities they thought were

students' assessment of themselves and the qualities they thought very showed that at loss hulf final-year men students had considered a job in business or industry of some students had considered a job in business or industry of some students had considered a job in business or industry of some students soriously thinking obout ladastrial jobs—numbering about a fifth of the total—the main motive was ltaving responsibility. Very tery students were bothared about the size of their storting solary or job security.

The survey case doubt on some conventioned stereotypes. Far example, it showed that those students who most wanted "intellectual stimulus" from their jobs came from mathomatics, the life sciences, civil cond electrical engineering. Economics and social science stotlents were less concerned about such attmelus.

The ottindes of final year male mulergrodumes towards coreers from Market and Opinion Research laternational, 86 Strond, London WC2.

Oxbridge v-cs to discuss fees

The vivo chancellars of Oxford and Combridge universities are to meet Mr Onkes, minister of state overseeing higher education, later this month to discuss the question of their college fees.

This follows the raising of university follows the raising over as

versity tuiting fees from £182 this year in £500 in 1977-78, and the output computerment that in future local outburities will pay unition feas for No announcement has yet been made as to whether colloge fccs, which at Oxford and Cambridge's turmoil in Cambridge's average rather over 6500, will also he paid untimatically, or whether they will be subject to a meaning that the maintenance component of the grant.

Once upon a time...

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Stan Broadbridge

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281,000, herween 4,000 and 5,000 hers (made under four heads: home, less than the original target. herses, postgradutes and under-281,000, hetween 4,000 on special less than the original target. The Department of Education and graduates) or that it is consistent with a slightly higher or lower

Universitics are likely to receive only I ar 2 per cant less knoome in 1977/78 than this year, and not 4 per cant as predicted by the University Grants Committou has September. Their lucome therefure will effectively be reduced by hetween (603 on and £609 on compared with the £581m for 1976/77, attualing a real per cant con would be an affective relation of £34m on this year. A 4 per cent con would be an affective reduction of £25m, athough the reduction of £25m. The reduction of £25m the reduction of £25m, athough the reduction of £25m. The reduction of £25m the reduction of £25m the reduction of £25m the reduction of £25m. The reduction of £25m the reducti

increased pruporition of income—20
per cent compared with 7 per cent
—now accounted for by tultion fees.
It is expected to say that either eoch university's share is consistant with its own estimate of its num-

araglocal solution.

The committee's terms of reference are "to consider measures to improve the cystam of munogement and control of higher education in the maintained setur in England and Wales and its better coordination with higher education in the universities and, in the light of developments in reintion to devolution and local sutherity finance, what regional and notional machinary might be established for these purposas."

There are two clear issues First Halson between

by Clive Cookson

Science Corraspondent
Solford University's Postgraduate
the code of this occademic year.
It has end of this occademic year.
It has been decision by Selford Area
The number of lacture's has gradwith the aniversity in coesting the
The institute was set up in 1968
Symposia Postgraduate of the same time to the same time to the same of the same time to the same of the same time to the university in coesting the
The institute was set up in 1968
Symposia Postgraduoto courses;
Claical order for several departing the same time to the

officer last week as a possible solution to men

But Mr Dudley Fiske, thief education officer

of Manchester, addressing a seminar of the Chartered Institute of Public France and Accountancy, spoke of the need to bring their running into the open. The national management body should visit polytechnics regularly to hold public examinations of their progress, he said

he said

Mr. Gerry Fawler, MP, former Minister of
Signe for Education, recommended a similar
reorganization of the polytechnics to his successor in office, Mr. Oakes, at the seminar, Mr.
Powler favoured a committee run by the local
guthority associations disbursing a block grant
for polytechnics whose articles of association
would have been re-written to tighten up their

This theme of tightness oad strictly defined

This theme of tightness and strictly defined objectives run through the two-day seninar, organized by CIPFA an the subject of higher education finance. Dr George Brosan, director of the Nurth East London Polytechnic, spake of the irrational way polytechnics were run, and Mr John Bevan, deputy education officer of the Inner Landon Education Authority, said they were squandering time and money on "manohiertiess"

objectives".

At the back of most porticitants' minds was the likely recommendations of Mr Dakes's committee investigating the management of higher education in the public sector. Mr Fuwler, the

by Clive Confison

An integrated approach in health education, with common introducik mists, chiropodists, pharmacists, therapists, radiographers and so on, is arged by the National Union of Students in its evidence in the Royal

The NUS claims two major advanand the constraint and the constraint constraint and the constraint an

"health team" et the siert of their tribing, from the beginning the NUS condence stresses what it calls the "holistic view of patients" problems and management." All besith workers are pert of a team whose out is "totol justicar care", and no me, whether physicien or physiotherapist, should be exalted in simulation above the rest.

A new notional hody, accountable to the public and to the various medical professions, should be set up to define the content of common courses and to plan the direction of beolth education as a whole.

The students say facilities for integrated teaching already exist in anany locations. They efte the joint geriatric course for nursing, physiotherapy and madical students.

many locations. They cite the joint gerietric course fur nursing, physiotherapy and medical students et Middlesex Hospitud, and the new physiology, anstomy and psychology cnurse provided by the Polytechnic of Central London for three schools training physiotherapists and occupational therapists.

problem is in set up Colleges af Health Science associated with gen-eral hospituls, the NUS says.

The accent on centralization and integration continues with the recommendation that a Central Validating Hody he established for all medical and health qualifications up to registration; its role would be similar to the Council for National Academic Awards and the Technical Education Council in other sectors of education. Regulation of post-registration specialist trolaing should remain with the specialist bodles. The accent on controlization and

The students are enneeraed that "destinents are entirerated that
destite the overall preponderace
of women in the health professions,
health care remains a maledominated field. The two bodies
who retain the hubinee of power
la the health service, the medical
profession and senior administraprofession and senior administra-tion, are predominoatly male.

"Paronaedics and nurses are treditionally occurded a lower stetus than doctors; until there is a reoppreisal of the raring leam which neets all its members os equally veluable contributors, this allysion will remain."

The NUS woats "facilitated enjry for wouter" lato medicine until the level of school science teaching for girls is raised "so that women have true equal opportunity in the admission procedure."

Another recommendation is that health students should perform routine work "only in so far os it is educationally valuable". At present they are often used us a source of choap lebour, it is claimed.

Another recommendation is that expertiso and ugree to united action." This would enable uther subjects to be enriched in each united they are often used us a source of choap lebour, it is claimed.

'Political' start for channel 7

Delay blamed on Government

Slow progress in establishing educeilonel technology in Britain is
hiemed on leck if government funding in the February Issue of Progrownted Learning and Educational
Technology, the journal of the
Association for Programmed Leerning end Educational Technology,
In it Mr Dareck Unwin writes that
educational media and equipment
represents only a tiny pert of education's investment, end one which
in times of economic gloom is
among the first to be cut.

A former aditor of the journel,
Mr Unwin writes: "Shoestring
budgets inevitebly result in educelional equipment following rether
then leading developments in other
fields."

He edds that government funding

In Britato and the United States has
tended to support research ond
development of o pragment tended to support research ond
development of o pragment tended to support research ond
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development of o pragment tended to support research ond
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development of o pragment cannot be evelopment of o pragment for the such ns the National Development of out on the rational of the principle of the properties of the pragment of open the rational development of open and the value of ony theoretical no the properties of the pragment of the properties of the propert

en leading developments in other workers' results; no ettempts to collaborate in moving forward olong a reesonably common front."

The National Union of Students

should become a political, compaigning organization, Mr Philip Horier, president of Queen Elizabeth College Student Union, said lest tycek on "London Lintchbreak", the first

came out of their instruments.

the news volue of higher education in London and the pilot experiment brought logether several student union presidents to discuss current

panded by other experimenters.

"Possibly because of the lack of ony lest model there seems to be virtually no cooperation between researchers, no building on other workers' results. To extensis to

Scots universities 'should | Court order share some teaching'

Universities should share the teaching of specialized subjects as an economy incusine, Dr. J. Sueven Wal-son, principal of St Andrews Disrersity, suggested last week.

For some subjects they should be alde to not as one teaching institution on several campuses, sharing some types of specialized teaching between two, three or four universitics. Alternutively, by voluntarily giring up sume activities, they might concentrute some subjects in mie centre, he tald the university gen-There might also he some

rationulization of subjects and attracting many students, such as huguages, he said. Scottish miver. Dr J. Steven Wulson sities were so close together that they should be able to show English

hut surely we could operate as a Scottish centre for a language ar expertise and ugree to united action." This would enable inherentials to be envisibled in each unit

Dr Watson worned that these saris of economics might that he easily accepted by some stuff had the alternative might he to discontinuo aubjects or in imporerish student life. He candenned other economics, however, such as gening universities more to the received. ing universities more to the needs of the economy.

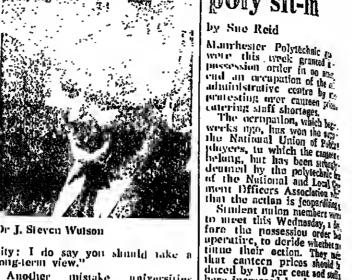
president of Queen Elizabeth College Student Union, said lest vock on "London Lunchbreak", the first live programme to go out on the ILEA channel 7.

Mr Horlor suggested that the character of NUS would have to change following the said of the big difficulty ebout the NUS change following the said of the big difficulty of its service companies. "It is the body for negotiations hetween all students in Great Britain as a whole and it ought in that respect to be of its limit of the control of more an this uspect. But Mr Morkus Taylor, presideat produced by STOIC (Student Television of Imperial College) will become a regular monthly servise from SUS conference, he wos a military organization run thy unit sown continuities on averseas cambinations that "relevance" anight to onlistiken content. The purpose a university from the view of an university from the view He endorsed the words of tho

This machine can take over

A computer system while a major difference is being developed by Professor P. M. Stocker and Dr P. A. Deernley of the school of computing studies at the University of East Angliu.

The basis of the system is to ensure that the information most often requested is most rasily available. Once an initial file structure has been established, the system will record requests by users.



granted over

poly sit-in

Alamphester Polytechnic for word this tyeek granted to proceed an order in no me administrative central processing over content of the conten

entered into reciprocal sees with the National Union of E-

rhester Crown Court, the e-governors onl Manchester Council are expected to 1995

Vote mix-up form election rerun

tion were forced to reminde elections lost und chains of discrepanties in he

chime of discrepanties in mapprocedure.

The ulleged discrepancies in light when Mrs Carol More manure student, Itled to More rate in the election to continuous president and discrete in the allegand in had already been cast. Sustantially a complaint to the units of sind later the election was defined in valid.

The Marray said: "I sufficient was the marray said: "I sufficient in the continuation."

sity: I do say you should take long-term view."

they should be able to show English miveraities the tway to cooperation.

There were certainly same languages where the proper teuching required experts he history, linguistics, philosophy, artistic appreciotion, and low. "To have so many lecturers may be more than numbers on any one campus caa justify, but sarely we could operate as a language ne state of the importance of advanced postgraduate work and ce universities higher sincreased by the same higher education has language ne cut back on pusignaduate education, universities must help thouselves by arracting grants for research.

As for links with other countries, he was surprised that in recent dis-cussion on one had mentioned ex-tending the work of the Association of Communitiealth Universities.

It could not replace the Inter-University Connecil, the Ministry of Overseus Development and the Brit-ish Conneil, but given the funds it could shoulder more of the hurden, its advantages were that it was a voluntary organization rout by not-recisities from all over the world which still spoke a common lang-mage.

with the National Union of Scover the question of protogn Bin the polyterhole's & branch claimed this week is sindents' union had stated in pation without consultation had convequently refueld a vide a skeletim staff at his NALGO members are was to partly properly and the staff at his staff 'big problem' mALGO members are many work narmally elsewhere in the work narmally elsewhere rallege but a spokemas sin week that the sindens' sin detrimental the interanto of and mulerstanding. If the student union, with rejected culls for negotiation the polytering antionities in the possession order issued in the state of consultant that it is the state of the stat

Training

A mojor problem to further education is the Training Services Ageacy's ectivity, says a book published by the Depurtment of Education end Scienco this week.

Mr Adrian Bristow, who wrote it and is principal of Chester College of Further Education, says there is a risk that the division between education and treiolog will become more marked now the TSA, which is respansible for the cuuntry's training elfurt, has to rely on further education to provide education and troining.

and troining.

The book says: "There is an urgent need not only to unify the educational provision for the 15 to 19 year-aids but to unify our errangements for education and treining."

reining."

Ioside the colleges of further education "there is edmiration for TSA iotiletives, concern at its muscle-flexing, jeelousy of its resources, suspicion of its motives end concern at its nalveties. Let us hape that the possibilities for friction inherent in this massy pertnership do not melerielize."

Another problem fecing further education was the result of its greet success in responding flexibly to ever-increasing endent numbers. Now some of the colleges could take no more etudents end meny had no mare money for new work. "We shell be in the nohappy position of laving to turu down students for the first time in our history."

A significant swing to full-time

for the first time in our history."

A significant swing to full-time and block release vocational aducation was also presenting the colleges with o challenge.

Despite this, Mr Bristow believes the further education can look with confidence to the future as more and more young people turn to it for full-time general aducation and vocational courses.

The destroy coult to dispel the traditional image of an FE college. It looks at the range of work, students, teaching steff, coreer education for girls, general studies and adult education.

National control 'could solve poly difficulty' office had ven, have his ance on chapter and versa for a scheme for removing the polynochus National control of the polytechnics was endorsed by a senior local nulliority education

verse for a scheme for removary the polyrochus-from unfividual lara) authoritie. But 3 s pure them? in sume way within the routed of the totality of local authoritie."

Local authorities would continue to be strongly represented in their poverning bodies and in those few advanced colleges aboreing in the net. The latter would all receive a block grant and have extensive freedom to spend if as they saw fit.

as they saw fit "All this implies the need for a national committee, separate from the DES, representing

to the department the needs of advanced further education and dividing, or supervious the divishot, of resources between institutions. There is no reason why the value of Less involvement in advanced further education should not be executived at this level as well as at that of the governing hade. " It could be a committee established by the

"It could be a committee established by the head authority essoriations, and perhaps serviced by them, were this practicable, rather than by the department. But it should include representation of tearhers and administrators within advanced further education as of right."

In the 1980s work would be concentrated in the tolytechnics and a lew other colleges while the existing local authority and regional advisory machinery would be retained for the rest of further chication.

A more positive view of regional approximant

A more concaring,
A more positive view of regional government
was taken by Mr Fiske but quirkly rejected as
unlikely to galu approval in the present political
climate. He couplasted the need to keep the
interest, cuthusiasan and experience of the

emirses is threatened."

education department sad the Furzednian and Philippo Furcett

The Association of Pulyrechnic

Teachers has called on Mrs Williams to reconsider her proposals to close

desired local committee, concentent small part of

The some point we made in Mr Bevan He spike of the next for along control of the lugier who more versice by rected members, which implied for all concerned, an acceptance of the objectives of higher education—within the objectives of lugher education. Within this framework, however, he saw scope for the removal of universe vary controls by local authorities. Such as those on moreaching staff.

A thread of criticism of the Council for National Academic Awards woman through the seminar. Mr Beyan spade of the reciglir of the examination system with its paperwork bearing down on the true purposes of education, and of the "overseening CNAA".

Dr flensan homogonal the "modified extended St. Toby Weaver, former deputy secretary at the 10.5 stid this week.

and of the "overescening CNAA".

The flerosan beamsaned the "multiple external controls" on the polytechnics and incheded amprovals

Sur Jany Weaver, former nepmy secretary at the 1458 stid this week.

Sur Toby, who is now professor all education at the High University, was speaking at a meeting of the British Educational Administra

Another general rheme had an apocalyptic tiage. Buth Mr Friwler and Mr Fiske wurned of the coating decline af the 18-year-old population and its effects on further education. In the 1980s the pont of qualified students would shrink, raising the prospect of closures and concentration. Mr Fowler predicted that unless many more adults returned to full time education there would be large numbers of superfluous places by the 1980s.

Sir Frederick Dainton, chainway of the 161

Sir Frederick Dainton, chairman of the University Grams Committee, who described the committee's work to the seminar, said it did its lost to find out whether a subject was covered in the polytechnics before it advised o university an setting up a new course.

the British Educational Administra-ilon Society in London. It turned into something of a doel between him and Air Rryan Davics, Labour MP for Enfield North and a mem-her of the parliamentary select con-mittee which criticized the depor-ment's lock of openness unit plannuce of planning in the DES's work. The department had also to onsure that the right standards were set, the right decisions made and the right resources made navailable. It also had in promote the cause of education. "Like Mrs Williams is at the mamount. She makes three speeches a day and holds three conferences a week. This is an laportant public relations exercise but one that takes up an awful lot of the time of DES afficials, catching up with the last blea the minister holl about what she would like to take shout manorow."

Ile decided the idea that the DES could be composed of futurnlogists peering into the year 2000, "trying to create an education system that will be able to cope with the assumed situation then".

"I am imatensely striptical of all the attempts to get one great overall, synoptic way of organizing the learning of 12 million leorners. No individuol or computer is capable of this." By the time such a sophisticated plan could be drown up it would be out of date.

But Mr Itavies was une expecting anything of this kind from the DES. Ho denied Sir Toby's suggestion that planning was just a fad thet would pass in two years. Ho wanted a less passive stanca in which the department would not just reset after the events.

He said thet the DES was being pushed, "kicking and screaming".

Planning only

-Sir Toby

the Department of Education with Science have already head to be known in June.

"We are virtually top of the list in the proportion of first choice candidates wanting to come here. Lan year were second in ectain numbers but first in proportioneer terms and we have been very high up for a number of years.

"We produce by for the largest number of qualified music students of entry college and music is a storage subject."

"We produce by for the largest number of qualified music students of entry college and music is a storage subject."

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"We produce by for the largest number of qualified music students of entry college and music is a storage subject."

"The essociation syst he contact of the polytechnics. Of the 30, in England and Weles, 23 are now to provide the possible reform bo pursued.

The essociation syst he contact of the polytechnics of the polytechnics and music is a storage subject."

The essociation syst he contact of the polytechnics of the polytechnics and music is a storage subject. The polytechnic has been bould the till polytechnic has been bould the till polytechnic storage that the polytechnic has been bould the till polytechnic storage that the polytechnic storage and technology would have a more polytechnic storage to polytechnics of the polytechnic storage to the polytechnic s

Opposition grows to latest agency is teacher training cut plans Government says it believes is so

Opposition to the Government's important.

"If you take one part away the whole philosophy of links with the community on universely on the community on universely of the community on the community on the community of the commu

In Example, Mr Froncis Commercis, principal of Rulle College, Said the college fulfilled none of the Government's criterio for the Coural Luadun Polytechnic In Exmouth, Mr Froncis Comthe Government's criterio for

The college is one of 28 threatened with clusure Deputations to the Department of Education and Science have already hegun and the final list is expected to be known in June.



English faculty rejects reform

Music agency could put the pay into playing A non-profit making concert agency for musicians leeving college was proposed at a recent conference in London organized by the to help young musicians Gulbenkian Commillee of Inquiry into the training of musicians. Such en agency, which

holp bridge the gap between college and the professional life, it was said. It would guarantee the young musician work on a circuit of orchestras for five years, et the end of which he would heve hed e considerable amount of performence experience end be of much greeter value to a pro-fessionol agency then presedt graduetes.

The conference, attended by some 150 music teachers, lecturers, composers, musicians and others involved in the profession, was celled to enable the evidence and suggestions to be submitted to the committee, now half-wey through its luquiry. The blues might stay as something that

training of mudicians. Such en agency, which might be sponsored by industry or the tibe training of performers, conductors, com-Department of Education and Science, would posers and singers through school, colleges and universides until they have established bemselves os professionele.

Mr Micheel Bernes, secretary to the committee, highlighted some of the issues: identification of talent in the primary schools, the right kind of musicel training at secondary levol (specialist schools, specialist departments in ordinary schools, private instruction), and the role of the music colleges and departments in universities.

The committee hed received conflicting evidence, he said, over whother the music colleges were producing too meny graduetes. One proposal was thet they should be more vocationally oriented, end geer the number

of nusicians more closely to the ministry available.

There was also the problem of students on music courses: unstances was degree level, and there had a two A-level entry requirement, would not be entitled to a mandary. Landon University bad however duced two separate A levels in most performance and one in history had get round the problem.

In general, participants felt that the enungh primery teachers with musical education; that there were enungh links between schools, could local authorities and private leads that musicians generally were positive that musicians generally were positive esteem.

The comodities's report vacet is manuship of Lord Valzey, professor in mins at Brunel University, is expected in September.

Described in the school of computing studies at the University of East Angliu. The Self Organizing Database Management System (SODMS) is designed to hendle the storage end retrievol of large volumes of information. However, it differs from conventioned detabase systems because it will be able to alter the way its own files ore structured eccording to the chenging pettern of domond. Professor Stocker and Dr Deernley's mein requirements in designing the system are that costs should hove easy occess to informetion io only formet and thot t'ey should not need to know the way dete is structured. Deminically it will review the structure of requests by users demond. Periodically it will review the pottern of requests, calculate whether on internativo file structure as required. This would he into only if its cost was less than the resulting generating the first of the system used formetion in the first clection. The system will also have the conjunctive to decide whether it is should hove easy occess to informetion of only formet and thot t'ey should not need to know the way dete is structured.

Scots ultimatum reply due

Lecturers of Scottish colleges of "Cumpured with the Scottish pro-education will hear today whether posals Mrs Williams's scheme for their ultimatum to Mr Millon, the England looks like o place of careful Secretory of State for Scotlend, has planning.

their tor girls, genoral studies and idult education. Itside the Colleges of Further Education by Adrical Education by Adrical Education by Adrical Education by Adrical Education by Education Educati

HIGHER EDUCATION AND THE CRISIS IN INDUSTRY

To coincide with the opening of the Printe Minister's "Great Debate" on education, next week's issue of The Times Higher Education Supplement will contain like first of a series of four major articles on the relations of higher education to the needs—and problems—of British industry. Fob 18 : Dr Henry Chilver (vice-chancellor, Crenfield Institute of Technology):

"The industrial crisis and higher education Feb 25 : Dr J. A. Pope (vice-chanceller, Aston University) I

**Treining for industriel leudorship "

Mar 4: Dr John Dancy (principal, St Luke's Callege, Exeler): "Technology as a liberal education"

Mar 11: Professor P. J. Black (director, Centre for Science Education, Chelsea College):
"The future of science teaching in higher education."



Gradiente admissions to Oxford's five do so all at once in the interests women's colleges will be endangered of the 21 single-sex colleges become or appropriate balance in the coresidential, according to a report published in the weekend.

or sidential, according to a report published at the weekeand.

The committee, under the chairmanship of Sir John Hahakkok, the vice-chancellor, has been examining the efferts of five near's rolleges will have discussions to adolt junior members of the graduate of five near's rolleges and in the worker competition from the graduate colleges, as well as the graduate colleges, as well as the graduate colleges, as well as the mixed undergraduate colleges, while the graduate colleges themselves of altracting a declining number of women graduates.

"We have, with some reluctance, taken the riew that, in the light of nor ronclusions regarding the odolless of the object of altracting a declining the odolless of the object of altracting a declining the odolless in the number of more of altracting a declining the odolless in the number of more of altracting a declining the odolless will be the prospect of altracting a declining the odolless will be the proportion of the proposals will take to account in their discussions what effert their proposals will have ou graduate satisfied colleges will take to account in their discussions with the report also says that on the limited evidence before the countries of the proposals will be continued the unimber of the proposals will be proposed to the standards between nien and the number of the limited evidence before the countries of the standards between nien and the number of the limited evidence before the countries of the proposals will be undergraduates admitted to the proposals will be undergraduates admitted to the number of men admitted evidence before the countries of the proposals will be undergraduates admitted to the proposals will be undergraduates. The committed even greater retirents.

The committee envisages that said intensity to the Asion Ilniversity Guild Asion Head t

The report also says that on the limited evidence before the countitee for the past four years, it could not be said that the interests of women's colleges have been damaged as a result of all colleges.

As reported in The THES last week, Congregation will debate a resolution on February 22, submitted by Hebdonadal Countil, approving the policy that the noiversity should no longer withhold consent from amendments to college snatutes whirh would enable a rollege to adoit hoth sexes.

Conoril is suggesting that colleges wishing to go mixed should not

The committee has considered the effects on the bulgare of subjects

Ruskin may get own degree

A proposal to establish a Bachelor of Fine Art degree as Oxford will be put before Congregation, the University's Parliament, on February 22.

The school then onved from crainped quarters in the Ashmoleau Museum to port of the Examination Schools in the High Streat.

A committee set up to rensider

lt would be open to students at the Ruskin School of Druwing and Fine Art who do not at present hove undergraduate status, although some colleges admit theor to membership of their juniar common rooms, and ran only achieve a certificate in Fine Art.

It is felt that the establishment of a new degree of Bocholor of Pine Art would remove any remaining unrertainty about the future of the school.

It ran into financial difficulties in 1972, ond the university camp

Wintersports Quick Tickets. **Expelled** student When you want to leave the may be reinstated country in a hurry.

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lust week.
Professor Princhard told a pro-

test meeting against the cuts in edu- to attend.

may be ended

The Foulkes Foundation is inviting applications for its 1977 fellowships which are designed to help science graduates who require a degree in medicina before undertaking medicinal parameters.

Academics and students should hit back at the critics of higher education, Professor Alan Prichard, junior vice-president of the Association of Paiversity Teachers, said lust week.

Peofessor Prichard told a oro-

Mr Tom Litterick (Selly Dakt, had been due to speak hat were unable to attend.

The proposed increase in student fees was taken up by Mr Trevier Phillips, a NUS national vice-president, who claimed that many would have to withdraw from would have to withdraw from would have to withdraw from

would have to withdraw from courses.

"Courses will be closed down as a result of these students being forced out". Mr Phillips said. "At a time when there are many calls for rhoser links with industry, it seems huncy to implement a best polley which means charses will close down."

The NUS wanted inition foes abolished altogether, and they were preparing a memorandow were preparing a memorand water food.

abolished altogether, and they were stitutional. preparing a menincandum for the preparing a menincandum for the DES not this matter.

Mr Peter Ahirgan, executive mening of the boyrott collected sign, an emergency meeting of the students' executive to

He told the student to

Universities worried by low standard applicants, v-c say

Universities are becoming increasingly concerned about the lower level reached by candidness for admission. Dr Frank Hartley, vice-chancellur of Landon Huiversity, said at the university's higher degree ceremony last week. This was particularly so in the physical sciences, mathematics, modern landous controls. sciences, mathematics, modern lan-guages, and use of language. In rec-

by Justith Judd
Narrhumnerland County Canneil
will be asked to step supporting
Alawick College of Education at its
meeting next manth. The recummendation, Iram the chication camimittee, is that financial support
should cease from this summer
when the college's lust teacher
training students leave us part of
the Government's entback in teacher
training. Adverse environmental factors did not unlequately account for this seeming electron of an encounagement to strive for excellence, he said. Furthermore, universities had to be concerned at what seemed a deteriorating standard of numeracy and the abandanment of mathematics as an examination subject by so many 14 and 15-year-olds. the Government's curback in teacher training.

Miss Liliam Hollomby, the principul, suld she imped the cannell manage for the next cauple of years until it could become self-financing until it could become self-financing.

We have been very successful in attracting American, Canalian and Dutch students. We have 50 a mine month caurse and we have been promised 100 next year. They are general degree people taking a course in British lineal history and since in and printed life.

We have ovan arranged for one Americans there. We feel to could easily pay our nawn way if we were given a little inner time.

Youth groups

Youth groups

The council halleves that ut lonst feel college next year. Concelling by the college next year. Concelling the winds and are causering at what seemed at what seem

At the end he playad us his new work, a duet for computer printout and real life viola. Although it had something of the "look-behind-you" ceriness of much computer music it really was quite pleasaot. In fact, if I did not know I would say it was swans, aunsers and the agony of it nil.

Ynuth gramps in Britain have sturned down the international slagan and appeal for the eleventh World Ynuth Festival in Cuba next year and are running their own appeal.

Though the festival shagan "For anti-imperialist salidarity, peace unil friendship" appears on the British appeal leaflet, the meanizers say it will not be used again.

Not all the neganizations listed on the oppoal leaflet have ennit

may be reinstated

Mr Andy Stroutbous, president of tha North East Loudon Polytechnic students' union who was expelled following his involvement in tha disruption of a governore' committee meeting last summer, may be reinstated if the collega's appeals committee gives its approval.

Tha union last week voted in favour of Mr Strouthous signing a document outiling the reasons for his actions which, he claimed, were in tha interests of preserving that union's autonomy. The document noted that Dr George Brosan, direction of the polytechnic, had successfully proposed a motion-at-a-loter meeting of the committee for staff and sudent affairs stating that the initiate any emendmants to the state dants' union constitution.

Students now hove the state of the state of the students now hove the state of the students on the opposal leaflet, the argunizations listed aguin.

Not all the argunizations listed and the opposal leaflet have ennitied there appeals to find lodgings for the state aguin.

Not all the ingunizations listed aguin.

Not all the argunizations listed and the opposal leaflet have ennitied there says in the mitted stream themselves findly in the fostival to find lodgings for the state aguin.

The opposal leaflet have ennitient listed themselves findly in the fostival to find only instally in the fostival to find lodgings for the stream that themselves findly in the opposal leaflet have ennitient hiterastors findly in the fostival to find on the condition on the opposal leaflet have ennitied themselves findly in the fostival to find lodgings for themselves aguin.

The opposal leaflet have ennities listed in the appeal that the swilling in the fostival to find lodgings for the swilly in the fostival to find lodgings for the swill month the says in the swilling in the fostival to find lodgings for the swill month the says in the fostival that the swilling in the fostival to find lodgings for the swilling in the fostival to find lodgings for the swilling in the fostival to find his develops.

The Brish Young Com

directorate bad no powers to include any emendmants to the students union constitution.

Students now hope that the move by Mr Strouthous will lead to his reinstotement. They allies that the meeting was disrupted because the governors were discussed by the students. They allies the the meeting was disrupted because the governors were discussed by the students. Association, the students to the union's constitutional Organization of Labour League.

Students and the Young Communist the students and the Young Communist to the union's constitutional Organization of Labour League.

An endments to the union's constituidentification.

No date has yet been set for the crucial appeals committee hearing.

The festival, to be held in pected to attract about 400 young appeal hopes to raise herween forwards fores and accommodation; t7,000 and £10,000 towards fores and accommodation;

About 29,000 students from 140 countries attended the last youth festival in Berlin in 1973 and the same number are expected this

medicina batore undertexing medicine control in many countries of the world.

same number are expected this same number are ex British committee has turned down. The University from the world.

Cal situation in many countries of ship fundabut the university of sites it will need £31,000.

bighor end further hospitals in Greater tha major decoming

The cost of the convergence was met fully by the church. Next year in \$5,000 is to be floated.

Christian Ministry

Students: a survey Greater London, Commission on Overs 60 Westbourna Grove

flya denominationi, sees Sludent Trost.

With lank shoulder-length halr

entl during brown eyes, he then showed us slides of hioself at

boards and a video unit.

What's Nessieness? The minimisted ontong as settled

Professor Markel is currently in



Professor Mackal with phenomer

On the other hand Play it again, Barry for the street of the s

City University got a rations glimpse into the life and work of a modern composer rerently. "I am going to show you the genesis of ory latest coopositioo", said Professor Barry Vercoe who was hord in New Zealand, but now has a directorship of experimental ounsic ond a lorge romputer in the Massachussets Institute of Technology.

And are the Lahmon whites, protecting a Communical majority of one, happy about this arrangement? After a childhood obsessor with insects and anything also impleased the intention of whether the surface of the insects and anything also insects and anything al

bark for a lecture on inspiration (swans, sansets and the agony of it all). What we got was two hunrs of vertiral sonorities, the calculus of timbres, feedback filters, score data, plirh and rhythm romance of what everyone else interest and valence has a property of the calculus of timbres, feedback filters, score data, plirh and rhythm romance of what everyone else interest and valence has proved to more inglorious field inventions, he was authorities. swants, sanisets and the agony of in all). Whot we got was two calculus of timbres, feedback file calculus of timbres and calculus of timbres and calculus of timbres and calculus of timbres file calculus of timbres and calculus of timbres and calculus of timbres and calculus of timbres file calculus of timbres and calculus of timbres and calculus of timbres and calculus of timbres and calculus of timbres files and calculus of timbres and calculus of timbres and calcu vocuilon visits, he is now retuln that the phenomenon is a rollection of predatory fish-cating sniouls who take the same view of public appearances as Howard Hughes.

work. He was not, however, seen ln a log cabin sucking a houkali Brhaln prumoting his paperhack, with une urm round a decolleré The Monsters of Loch Ness (Futura, aource of inspiration, but clutching £1.50) which is a soher and detailed on electrir penell, natrido two keyacrount of the scientific work dona on behalf of Scotland's greatest freshwater tourist attraction. Amid the usual long-range photographs of rico puddings and occun-going

was a mathematics may at Yale who tater entered the church, from which he resigned thre to ill-health

Culations every second", he said phenomenon". After a year retailer anoth to early hee journal-it can also sustain folling cadences, ond do o whole rough of things which members of the Musicians' coughs from the lockside revocaling which members of the Musicians' coughs from the deep, and regular an imaginary courtroom defeace for young visits, he is now regard. an imaginory courtroom defeace fur a drone who chimed he had been libelled by Virgli (" a grent pact, but that enough of a practical beekeeper "1.

Easy writer: 2

Ona which should be preserved for postarlly concerns the first time be met Chorles Clarke at a national

Autonomy and practice



Ralf Dahrendorf

Several weeks and two calumus ago, I promised to write conther com-ment on the oge-old question of milversity outgranty. The more I think olumn the subject, however, the more I find that outgranty Is o theme pervaling most of the issues around higher education and research, so that it may make more search, so Not omely space this week for my dentifying series of tips on how to write a university novel. However, for those settling down to compose a love scene please bear the following him mind.

First, it is not thing to have our hern (Gavin Tradile) fall in how with Avon Peach in the mobile.

First, with the mobile have with Avon Peach in the mobile have with Avon Peach in the mobile.

Not omely space this week for my ligher calucation and research, so that it may make more sense to deal with the problem from a variety of ongles and at several occarding the click of it is allowed to influence elected first sponsoring research and development have realized a long time ago that they have to give scientists there with Avon Peach in the mobile.

Directed research and directed tearly theory and the click of the problem from a variety of ongles and at several occarding the click of its allowed to influence elected. Lorge industrial first sponsoring research and development have realized a long time ago that they have to give scientists there were the problem from a variety of ongles and at several occarding the problem from a variety of ongles and at several occarding the problem from a variety of ongles and at several occarding the problem from a variety of ongles and at several occarding the problem from a variety of the problem from a variety

work, a duct fire from Altinough the sum longerouse photographs of their sum longerouse photographs of the sum longerouse photogra

A Beckett's tales

With the departure of Francis Beckett, the National Union of Students press officer, for new pastures in the agricultural workers unlon, go a lot of anuch-loved anecdotes.

One which should be preserved for postarily concerns the first time.

But of course this is only part

ona which should be preserved for postarily concerns the first time be met Chorles Clarke at a national conference obout four years aso, when he was first elected treasurer. A Scottish contingent bed unilaterally occupied Mr Backatt's bedroom on finding that no accommodotion had been booked for them. In despoir he retailated by marchiag into the room next door and turfing the occupont out of bed.

It was Charles Clarke who, without aven opaning hile eyes, showed himself a future president of the NUS. It think we should discuss the saled.

be argument in the up to a of both. There are, I think, three issues which have to be readed to create a viable relation hip. The liest, and complete to how to make decisionmaler - narry to what happens in the world of research and theory the tone is simple in the sense that most decreate makers towardays rea-lize that they can no longer make senable decream merely by follows one introtion in gut reactions in other less reflective methods. The nav in which they actually make since that they have access in relevant information is perhaps somewhat less simple.

Communees of one kind or another, a policy review staff, ulfices of rechnology assessment, scientific advisers and officers are some of the familian incumments. More offective purhaps is personal contact between decision-makers and difficult to be gained and scientists, but it is also out hours difficult to be gained. It may be a good thing in this context that more und more people seem to move in and out of positions in politics and, to a lesser extent, business.

The secund and goost difficult problem is how to moke universities sensitive in practical problems. Of course, professors and students realized to the course of the cours rourse, professurs and students realize what the issues are which ugitato politicians and businessoren and others forced to make decisions. But they realize this as chizens. Many of their would like to keep the institutions of higher learning free of uny theliberatu courcin with procticul affairs. sffalrs.

May I state quito eleurly that this is to a considerable extent us in abould be. The dictate of practicol concerns makes for but teaching and research if it is allowed to influence either directly. Lorge industrial firms spousoring research and development have realized a long time.

for all concerned, and directed tearh-ling, geared to extraneous purposes, is in any rase disgusting. Thus it is a matter of great importance that universities defend their indepen-dence from external direction.

dence from external direction.

But there is another side to the picture. In defending autonomy onitivers, in defending autonomy onitivers should never be defensive. The best way to defend ooa's rights is olways to assart them. If teachers and scholars define the problems with which they ore concerned themselves, but with a view to the world in which they are living, without allowing anybody to tell them how to deal with these problems, they are more likely to remain independent them if they merely protest such independence and turn their backs on the real world.

Sansitivity to preside the problems.

Sanshivity to practicel matters in the academic world is a matter of attitudes mure than one of organization; but there are times when I feal that universities are lacking the self-confidence to which they are antitled in this coalext.

Tha third issue is one of consider Tha third issue is one of considerable interest to me. Given the complexition of the relationship between what I have crudely called theory and practice, it is not surprising that is most modern sociaties a category of people has begun to emerge which makes bridging the gap its main task. These ore political advisars, academic civil servants, policy researchers, the equivalents of these groups in business and lu lorge organizations.

that this archoic conception can no longar work hi a complex moderu

Wo, need tha third group of bridge-builders, of those who carry tha values of ocademio research into the practical world, and the concern with practical problems into theoretical ondeavours.

They are bound to be outsiders to both worlds, that of academia and that of husiness or politics. But they bave their own rightful place, and perhaps there is a casa for deviaing organizations which emphasiza this fact. Indeed, there may be ways of organizing policy studies which by accepting the difference between theory and practice will in fact at mulate both.



Surprise and rise of a union man who loves pottery

Sue Reid writes a pen portrait of Mr Stan Broadbridge, NATFHE general secretary designate The National Association of Teachers in Further and Higher Education has been decidedly sly ubout revealing details of the voting figures which last November led to the selection of Mr Stan Broadbridge as general secretary designate of the 67,000 member union.

collected 64 votes from the associa-tion's National Council in trin by a



was, he says, only in the few days before the final selection, when good wishes began to abundal, that he realized his chances of securing substantial and clear majority in the first hallot. His tra contenders the first hallot. His tra contenders and economic history at North Staffact Technical College, and Mr Jack Managall A denurtment head at 1963 and became president in 1971.

mittoent to trade miunism.

A Communist Party member, Air Braadbridge inined the National Union of Teachers on becoming senior economics master at Boteler Gramotar School, Warrington in 1952. In 1957, on entering further education, he joined the ATTI and committee and chairman of both the east Laucashire and West Midlands divisions, in more recent years has been a member of the NATFILE negotiation from with the Council of Local Education Authorrities and chalroum of the NATFIIE aunual conference speering com-

Yet he malutains that he never cest on eye towards the general secretaryship notil 1975 when Mriohn Beyan, a sonior lecturer in physics radiology at South Bank Polytechnic, was appointed essistant education afficer of the Timer Landon Education Anthority, Mr Beyan, then pusident of the ATTI, was being whilely-tipped at the time to become Mr Driver's successor but his departure from the fray left the floor open for other contenders.

It seems unlikely that the disagraph

the various teacher unions closer together, partirolarly the AUT and the NATFHE. He pointed out: "We have a salary scale that is exactly comparable with theirs, although they think ours is better, and we should be working more closely. At officer level there is ligison, and It was a decisive vate of coufi-

It was a decisive rate of confidence akin to the situation in 1969 when Mr Tam Driver, the present general secrotary of NATFHE, was elected to the leadership of the Association of Teachers in Technical Institutions, later in merge with the Association of Teachers in Colleges and Departments of Education to become NATFHE. He was the appropriate on the first regular meetings take place between leading figures on their side and officers on ours. "I had the idea after the Hough-ton settlement that there could be room by a omjority on the first too settlement that there could be build against Mr Laurie Supper, a unified solary structure in higher non general secretary of the Asso-cintium of University Teachers and education. But there was a certain

adomin of apposition to this from the AIT members, I still hope that we run discuss this on reasonable Mr Broadhridge, who will succeed terms, I am against the unious in higher calacation being forced to the general secretaryship in Soprember on the retirement of Mr catch no with each other and trying Driver, is still prone to expressing surprise about his appaintment. It But Mr Urnadloidge has been a

flow critle of the Gayernment pay policy while the NATFIIE as a union has supported it. "The more contropersial the issue the less socas the general secretare has, I would rather the mian did not sopured the policy but at conference dele-gates decided for it after a very

He has served on the NATFIII the has served on the NATFIII executive since its formation in 1976 after a lifetime of solid committee of the continuant Science, Mr Broadbridge cation and Science, Mr Braadbridge maintains. Maney is being made available on a massive scale but because It is caming from the TSA it does not always go to things that we regard as educational activities, Things are still at the early stage and I have the TSA strongth has not grain too much."

He sees the main problem in the subsequently serred as secretary integning power battle between the of the noise's Staffordshire linison. TSA and the DES as lack of consultaing at all levels. "The TSA should take a little langer to make

many of his colleagues, expresses little autward concern despite the hard fact that the Huddersfield Polytechnic branch of the association has recently been recognized us. a nogotheling hiddy by Kirkless Council, Mr Broadbridge helicres that some polyterbuic between have indued the APT simply because they do not helicye in unions but he gives a strang impression that he conhecome Mr Driver's successor but his departure from the fray left the astrong impression that he considers the APT's existence peright or the NATFIE will change the APT's existence peright or the NATFIE will change the APT's existence peright or the NATFIE will change the APT's existence peright or the NATFIE will change the triple of the NATFIE will change the triple of the Science rights that the NATFIE will have a construct that the NATFIE will have a parential membership in the says.

signed up members end, this figure Mr back, sception. Ho my the properties of the sception of the scential members would acrurate estimate which calleges 90 per can de calleges 90 per

Smoothing is notion in the state of Combridge English. Once the pinnach of Fuglish teaching in universities the faculty downline, one of the worst staffing ratios (1:22) in the country, and lecturers claim in work 15 to 18 hours a week just teaching the "bread and butter" of the course.

First year examinations have been abandoned became there are not enough markers, and the final examinations themselves will be in danger if more staff are not found. There is also a lack of confidence in the content of the tripus itself, which many lecturers and studeots feel has low any centre and enhesiveness, and become unidated.

The staffing shortage is partly an accident There is no tole for an inversities outside the cortor and polytechnical transiting for an inversiting a constant transiting is consisted to the cortor the cortors to the cortors the cortors to the cortors the cortors the cortors the cortors the cortors to the cortors t farmers the concopt of per-tectured. If and 19 begin tectured to find 19 begin more hetween tradited forms and further these tectiary calleges.

Sixth forms in school say Young people may be a make an informed choke go think a let of youngum, age want to wear who be and have a cleareste between the there are others shaftforemby. The staffing shortage is partly an accident of history. Or Alichael Long, a faculty heavyer, said it arose in the early 1950 when, for reasons of complacency, the faralty failed to expand. "Cambridge ritinally invented English studies, and so it thought it was doing all right, and was show to react to teeds. Do
tem't claim any more that people will automatically took to Cambridge to see what
Boglish studies look like, as they did 20 years

" t and particularly concess train particularly codes to any more that people will autotraining the state of the role of the

Educated of Queen E. Grammar School, Barne, at the ser Hniversity, where had not the staffing problem and the doubts of the staffing problem and the doubts about the content of the tripos are aggrated by the system of teaching, which is necessary national profits teaching.

Giring up his teaching at the take up the new post of the college accordant on take up the new post of the primorily for amerylsion, and facilities for lecture programmes, aetting and morking excountantions. There is little coordination in practice between the two; lectures are not relocated to the work in college.

" higgest preach" be sail reloted to the work in college. "higgest wreach" be sail rotated to the work in codings.

Like time at North Sait;
Colleges are responsible for admissions, so
the faculty, with its limited number of staff,
ls powerless to control numbers coming from
the colleges.

should take a little langer to make unitary available locally so full discussions between all parties can take place. We are not sure that the TSA is inserting things in areas that ought to have priority."

On the subject of the Association of Polytechnic Teachers the NATFIRE's secretary-designate, little nativard cancern despite the hard fact that the Innidershield Polytechnic branch of the association of the nativard cancern despite the hard fact that the Innidershield vibrance this spring. It is not allow in students work it's supposed to be doing." There was believed as belonging to a college, and no longer to

rempensation he know beging as belonging to a college, and no longer to ing n house in lighbors a the faculty. Some had got to their second or ently near Conden anigus;

In is an eyld colleger becoming a cottege industry, with people in the true pustrards and possess areal ale publ.

Also Handleridae claims in the system of staffing ettached to this

Is Professor Robert Craig

sanctions-busting on his current visit

Shakespeare may yet be the crown of the tripos but change and dissension are rife in what was the pinnacle of English teaching. By Frances Gibb

sources. Lecturers are employed by the university (university officers); teaching), of versity funiversity officers: teaching), of whom there are 15 in the English faculty. While they also helong to a college, their main work is with the faculty, giving bettures and helping with examinations. Others are employed by the colleges (college lecturers, research fellows) of whom there are 20-25 in the English faculty whose main work is supervision, and also some 50 freelance becomers, research graduates and others who do some teaching. do some teaching.

The faculty lecturers ore all obliged to The faculty lecturers are all obliged to give 32-40 lectures a year, which means some 50 lectures a week are being provided, with perhaps each studed going on overage in three a week. Because of the warkland the faculty has hecroslurly had to rely on college stuff to help with its examining and marking. This has been a source of friction, because the callege lecturers are rated on ouch lower pay and poorer canditions af service than the university lecturars and leaf expolated.

It came to a head earlier this year when 17 lecturers threotened to rather this year when 17 lecturers threotened to rather thin mora axaminating popers unless teaching conditions were improved. Some have stready corried out their threat with regerd to next year's preliminary examinations, and more are likely to follow.

With ell this brewing, an informal working party set itself up one year ago under the chairlosanship of Professor Frank Kermode to examine the choical and organization of the tripos and see if ways could be bound of changing it, while kenting in mind any implications of change for the foculty's teaching resources.

The troubled state of English teaching at Cambridge

"Given the enormous expansion of students and the growing difficulty of the shortage of teachers, we asked first whether this was necessarily the hest tripos we could have, and second, if it was, whether this was the best way of operating it.".

The thie members, with a wide rango of interests and views, but one uniting sentiment at their lirst meeting: "All saw good reason to explore the possibility that the tripus in its present form might not reflect the best possible way of teaching and examin-ing the subject ".

The group has met 18 times thering the year and sifted through no citurenous runge of evidence (some 100 submissions) from staff and students, including proposals for change, questionaires on the state of graduate or the state or the state of gra questionings on the state of graduate ond undergraduate work, exomiters' reports, admissions figures, and research by the Nuffleld Poundation un locardisciplinary work and "breadth and depth".

Last week it produced its final report. The aim, the report says, had been to produce a scheme that was "neither mere tinkering nor tenientlously incological".

What has emerged and was presented to the rest of the feculty was a schaole hased an the structura of the present two-pert tripos, but radicelly eltered in content. At procent, part one, whileh lasts two years, is a chronological survey af 600 years of English literature; roughly one author a week. For pert two, students choosa five papers.

examine the enotions and organization of the tripos and see if ways could be bound of changing it, while kenting in mind any implications of change for the foculty's teeching resources.

"Some people thought we had a tripos which owed more to history thee to contemporary naeds", Professor Kermode seld.

Hence the group has produced a scheme Hence the group has produced a scheme with a more structured part one, with a view to "shading up the collapsed structure. It would contact, as now, of seven papers, plus original composition. There would be a practical craticism paper, a paper on foreign texts, two historical papers (with delined period) of literature, and three papers, called "tupic-papers", for which reading could be directed by a theme or topic neediced by a theme or topic neediced literature, the language of literature and literature, the language of literature and literature, the particle. A major change would be the introduction of a cure of seriests for some or all of these. a cure of ser rests for some or all of these

Part two would also contain practical criti-cism (Professor Kermole said there was no disposition to abandon "Cambridge English" as identified by the close analysis of texts) and the crown of the tripos would in a con-pulsory Shakespeare paper, the teaching of which was felt to have lacked chality for some time. There would be a compulsory long essay, and sindents would choose two

Perhaps not surprisingly, slace the union nd the faculty had miginally been against n working party on the tripus, this scheole was rejected at the laculty meeting this week, both in itself and as the busis of discussion

Criticisors are that introducing set tex corries with it an element of aniocracy and coercion; students are not left to make a free choice. There is also opposition to removing the full historical coverage of literature. In a note of dissent to the report, Professor Christopher Ricks said he thought tooled be seed to be seen to the country that the content of topic-hased papers were more limiting that papers besed on a cauen and chronology. He ndded that the present mixture of topic an historical papers was the worst of bot

historical papers was the worst of both worlds.

Deadlock has, therefore, been resched on two fronts. On the arguilzation of the course, there is a need for at least 12 new posts, or teaching will suffer. One solution, according to Dr Heather Gleo, formerly a college lecturer but now holding a university post, is that the university revise the whole position of callage posts vis-o-vis university posts, and introduce comparable conditions of service. College lecturers would then be prepared to help carry the weight of the faculty.

As for the tripps reforms, the majority of the faculty expressed a desire that "other possible thes of inquiry" be pursued. But this would mean at least another year before any change, and meanwhile many hours work, which could have at lesst formed the basis for discussion, appear to hear been wasted.

Judith Judd reports on the Oxford educational research group's first project

Why radical "Nowednys it usually many out to be the case that the problems of associated school" and along trackers in them "schools. Dr Judge "Nowednys it usually many out to be the case that the problems of associated school" and along trackers in them "schools. Dr Judge "Nowednys it usually many out to be the case that the problems of advaction for so much broader than the schools and the kind of things you flut in an idea foculty that you want to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to the decision was taken to be able to turn to people to the interest to be able to turn to people to the interest to be able to turn to people to the interest to the decision was taken to be able to turn to people to the interest to the decision was taken to be able to turn to people to the interest to the decision was taken to be able to turn to people to turn

Ween schools and the university.

Professor J. S. Brunar, Oxford's
Wetts professor of psychology and
the chairman of the group seed it
this way. "If you are going to do
something in support of education
in a nolversity you can atther do it
by setting up a faculty of you can
turn in the university of a whole

To 18 months economists, historians, inathemeticians, sociologists, psychologists and many others have been taking part if the seminars which have acted es a loundation to the group.

Better to rule in hell than serve in heaven. The there is symbolized by the partment of Educatione Pstudies, quotes willton in the group.

This has maant that the feas and expenses for muny teachers to come to the depertment heve been relicing part if the seminars which have acted es a loundation to the depertment become to the depertment become to the group.

This has maant that the feas and expenses for muny teachers to come to the depertment become to the depertment is studiants to spend one case study in the county's sty, "approach of the group es the university education department," approach of the group es the university education department, the partment, the third lergest in the course.

All this is port of an eitempt to put the emphasis in the post-graduete certificate in education to move away from the teaching of history, philosophy, psychology and sociology of education to move away from the teaching of history, philosophy, psychology.

to allow for a small expansion in the department's research work which Dr Judge sees as increasingly

mportant.

The depurment's latest development is un MSe in Education which has just been opproved by the university. This is e one-year highly ecademic course which will include the discourse which will be the solution. a dissertation

largely thught.

It is aimed at reachers in mid careor, possibly heads of science evaluate sand has two options, and methods of work and ministration, and experience of the care of the c



The link between the sale or Robert Craig, its principal end vice-chencellor, ergues that the university is a non-recial institution, out and the university is a non-recial institution, out that the Oxford Research recial tension, criticism of its role provide an opportunity is med.

The link between the sale or Robert Craig, its principal end vice-chencellor, ergues that the university is a non-recial institution, out oasis in a country divided by recial tension, criticism of its role in the outer of the object of the country divided by recial tension, criticism of its role in the outer of the o

At a meeting lass meet the university more than half of the university's taacheve were recruitanced to set up six groups and the university's taacheve were recruitanced to set up six groups and local from Britain through the Association of Commonwealth Universities to London. But lest August the the schools and local from Britain of Introduced righter forms. regulations royaring the piccing of advertisaments by the university. Future advertisements had to con-

the rest already in the carinoism from some quarters.

But the directive from the Foreign

He believes these are Office has also been questioned. In
his and many other defined inentiary Private Secretary to the
concollent who are subject in Milister of Overseas Development,
prifessorships but who had been commons that the British me
universities. It is the

In the university's coming academic year, which starts in Murch, the Ministry of Overseas Development will provide £380,000 to fund 320 Rhodasies Africaes studying there. This indicates something of a contradiction in the Government's curroot attitude to the university. It wants to encourage the education of Africans but its advertisement ruling will wanken the university's teaching strength.

Currently only 30 of the indiversity.

Currently only 30 of the university's 240 full-time ecademic staff, are African The remainder of the teaching force ore white Riodeslaus,

"Such restraints on staff recruit-ment damage the university's inter-

Delicate problem of hiring academics for Rhodesia national reputation end provide

The Suith Government has also interfered mara directly with the Interfered mark directly with the university's offairs. Professor Craig told The THES: "We have lost a number of volumble people who have not basen ellowed into the country or have been forced to leave," During the past five years several academics to the department of political science have been deported.

The number of black ecedemics The number of bleck ecedemics is lucreasing, he admits, at a deplorable low rate according to the outside world. But he claims: "Adthough there is political and 'moral' ceusorship in Rhodesie the university is interfered with yory little. We ere o great deal freer than the universities north and south of us."

Last year—and for the first time—bleck students outnumbered whites, This was mainly because of the military emergency. In which European students were not shlowed to defer thoir astonal service; Of 1,506 full-time students 666 were white, 727 Africeo, and 113 of other

The selection of students is solely on ecedemic grounds, cleins Profesor Croig. The numbers are mutically a large of life that without the apousorship of Africae students by the World University Service the European element would still be dominant.

He admits that the financial circumstances of Riedesian African students has militated against their recruitment to the pest. The Riedesian Government still sponsors nure European students than Africansin 1975, 275 against 127—which indicates the continuing bles.

This ocademic year WUS will sponsor 150 bleck students over and above the ODM allocation through funds from the Coasdian, Swedish and Danish interestional development egencies. The World Council of Churches will also help to swell the black student curolment. In 1975, 101 students were sponsored this way. The selection of students is solely



Only 30 of the 240 full time staff are Africans.

The university's difficulties in recruiting black students were exacorbated by the racially-divided aduction system, the professor told the commission. The fact that Rhodes still has only 12 sixth forms for blacks and as recently as 1975 was epanding 45 per cent of the succession budget on white school children—jist 6.5 per cent of the population in that age group—drasticelly reduces the chences of the black student reaching university et all.

When the university was established in 1955 it was hailed as a symbol of the integration of black. Africans into a multi-racial acciety. Tedsy Professor Croig says: "The university has ind a modest success in doing that but it is ne not fulfilled eil the early ideals. So many of the political problems in the country spill over into the university".

On the more precical problems of the curront political crisis, it is like curront political crisis, it is like really acceptance.

When the university was estab- leader page 14



Alexander Gunn explains the progress in students of anorexia nervosa, the 'middle-class' disease

Well over 2,000 years ago, according to Greek mythology, one of the nymphs of Dinna the huntress fell in love with Narcissus, the addlescent son of the river-god. Her made was Eche, ond because of her unfortunate speech impediment (that of repeating whatever was said to her) Narcissus rejected ber affectionna advances.

In revenge he was donned by the gods to foll in love with himself, and when he caught sight of

Narcissue rejected by advances.

In revenge he was donned by the gods to foll in love with himself, and when he caught sight of his own image reflected in u tranquil pool he slood entranced, onsessed with his appearance and—onsessed with his appearance and the most hurtful wannel of the mos unable to move—he statuced to death. Medically ha must remoin thus, perhops, the first reported case of anorexio nervosa.

The syndrome, disease or discount of the syndrome of the sy

nich is seemingly nowadays of much more common orcurrence than hitherto recognized. From recent surveys hold in seven schools with a total population of nearly 13,000 it appears that one severe case occurs in every 100 girls aged over 16, end, also, of every 15 cases written up one of them refers to a male patient.

An rexin nervose, therefore, is a reastively common disorder of the reastively common disorder of the student years, with many mild cases probably going unrecognized, offecting both sexes with the clossicol triad of recognizable symptoms: how hedy weight, ecssation of periods in the female or loss of libido in the mole, and restricted eating.

eating.
One singla characteristic, however, seems to emerge from a sludy of the litersture—end that is that shorexia nervosa tends to be a middlo-cless disease, and, typically, it develops in association with one or other of the hurdles we create with our apparently ellist educational system.

with our apparently ellist educailonal system.

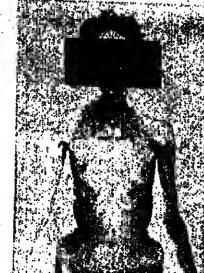
The first worning of its development is so often prior to an imporiout ecndemic exomitation—cither
O or A levels, or in the first year
nt university ur college—und is n
weight loss or at least 10 per cent,
followed, lit e girl, by the cessailan
of the otherwise regular mouthly
period.

Regals of this time is more than

Rarely of this time is any medical consultation sought. She, or he (and it is important, although fewer melo it is important, although fewer melo cases ere et present reported, lo remember thet it cou affect hoth soxes) has often typicolly "worked" —in the academic sense—to on obsessionelly tight schedule af revision, permitting few recreational backs end finds the results of the lahour a disappointment, even if, comparativoly, academic distinction is nevertiless won.

comparativoly, acsdemic distinction is neverthless won.

Inheriting often, olmost like a caricature, a typical family heckground, the eventuelly discovered cese of this disnrder shows, in its history, fostures that are frequently shared. The majority would seem to he middle class girls who come from insecure fomilies where the fother is often of a lower socio-economic class origin hut whn hes achieved status and incime by herd work end ceaseless etriving. Lacking, however, the confidence of an "established" femily there is reported



The end

ell.

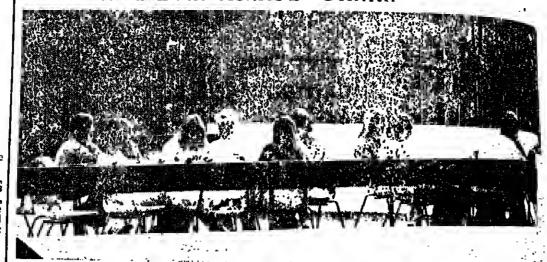
It is easy to see, therefore, how those who set their sights on ucademic distinction—the contenuporory path to a classless fature—he come absessional Add a dagree of self-disappointment in achievement and the trigger of the payrie is pulled, to altimately wound the soms.

pulled, to ultimotely would the soms.

Social isolation is sought and the usually up-to-then overweight girl of probably above-overage intelligence starts to dict. A preoccupation with food and its fattening values amounts rapidly to an obsession and o "crash" dict to allm is odopted with an almost religious intensity.

intensity.
Spaller and smaller portions of

New Australian universities 2—Griffith



Newest may succeed by bold adapting lessons of the past

Griffith students-taking the sun and at the libraryenjoy a four school system with several innovations, as Peter Wilby reports

Australia's two newest universities, Murdoch in Perth and Griffith in Brisbaue, huve the advantages of Smaller and similar portions of food are coten and ever more scremious efforts are made in reject life. Eating through elect hunger establishes inforglyable guilt at foilure to control o natural desire, and an intolerable cycle of overcating and starving is experienced.

They may to everyone, purents and peers olike, conceol their underlying needs with regard to hody ate weight with the determination of an each of the new interestiles in the 1960s. Both, and poers of the new intolerable, and intolerable cycle of overcating and starving is experienced.

They may to everyone, purents and peers olike, conceol their underlying needs with regard to hody weight with the determination of an each of the new intolerable of the new intolerables of th



Can policy studies find a new British compromise?

David Walker reports on the growing demand

planeloods of British visitors to the United States.

Policy studios has hecome a catch phrese recently and the SSRC will be well sorved by Mr Rohlnson ond his colleugues if they define it sorisfactorily and provide some basis for salving the meny problems that a special institute of policy studies in Britain would laring. Their biggest problem, however, is that the mere fect of the SSRC investigating policy studies is an admission of fodure of the entire decode of the council's existence.

The ambitium of its first chairman, Mr Michael Young, was that the SSRC would do for British government what the pandits naw ere asking of an institute of policy studies. Mr Young's ambition was thwarted by his inability to build the right

ing of an institute of policy studies. Mr Young's ambition was thwarted by his inability to build the right tyllo of institution and the internal momeotum of the British ecodemic eystem which provided the people to do the policy work. Whot resulted was pockets of policy-hasnd research with no coherent stretegy guiding

wos pockets of policy-hasnd research with no coherent stretegy guiding thans.

What the Robinson group will heve found in their tour round policy studies is that the subject is very mach in the size. When he issued a paper entitled "A centro fur economic and political studies in London" and sent it to 100 or so top people last year, Professor Duhrendorf was tepping a stresm of interest that flows back to the glorious dawn of the SSRC in the eoriy 1960s.

The need for a British policy studies lositute connected to an existing university is the sort of phrese used by the same group of civil servanta, industrialists and public men of goodwill who argued for the establishment of the Think Tank sud, who now spoak wormly, about a British Ecole Nationale a'Adulhistration and modernizing the Whitchall machine, At heart it is e lechoacratic urge horn in the Heath-Wilson mode of government, centrist in politics; it sees sociel econeous a positive tool for better, ecionco as a positive tool for better,

ecloneo as a positive tool for better, more efficient government.

Another foet thet will heve boen impressed on the Rohinson group even though they eeem to heve restricted their attention firmly to London is the greet diversity of existing policy etudies work. Whatever the SSRC decides it will he unable mignore the centros such as Birminghon, Strathchydo, Nuffield, Brimel, and so on, that have hull up a substantial if dispercite body of case studies of government policies. Outside universities there is on orray of specially founded policy research bodies. Some, such as the Notional Institute of Economic and Social Research, are generally thought to do necessary work with incedequate funds. Members of the SSRC say the Centre for Studies in Social Policy and the Contre for Economentel Studies

have been disappointing, although it is not rlear what sperific, purposes such hodies were set up to fulfil.

There are, moreover, intividuals rorking in this field with long-standing contacts with government and with sources of limits. Professor Richard Rose of Strathelyde has done policy analytical work of various proficies pursued by Westminister in Ulster. Professor Rose in this credit, has written extensively in the mewspapers, since policy studies are not the prerogative of such are for the Rose are not the prerogative of such are for the Rose are not the prerogative of such as the comming of the SSRC.

Policy analysis is carried on failly

The most fully worked out for the research institutes outside noiversities).

Policy analysis is carried on failly

The most fully worked out for the research institutes outside noiversities.

Policy analysis is carried on failly

What the Robinson committee will What the Robinson committee will no—probably successfully since it contains Mr W. G. Runoimon, fellow of Trinity College, Cambridge and generally thought to be one of the better British social philosophors—is define what policy studies are. There is meterial for a definition, especially from the United States. In a report of o visit there last year Professor Mourice Kogan, of Brunel, one of the loeders in this field and o member of the SSRC, said policy analysis theant the application of scientific knowledge and techniques to the olucidation of contemporary

analysis meant the application of scientific knowledge and techniques to the olucidation of contemporary public policy.

Social scientists have a stock of knowledge and coocepts that could be put to use hefore decisions are taken by government out after policy is made to detarmino his success. For exomple, a question of public policy underlying the Oakes committao's deliberations is whether the polytechnies hove "worked". In principle there is a range of economic and sociological thois and knowledge that could be used to suswer in torms of the original Crosland/ Weaver philosophy or present government policy.

In a sonse policy studies is simply the applied and of the work already done in most cociel science subjects. Professor Deurendorf mede this clear lost year when he described the sort of subjects that would fell under his projected contre for policy studies. These locluded the cost of social earvices under conditions of demographic decline, accommetric models of growth under epecified conditions, the comparative study of Bills of Rights, and juveuile dollaquency in an urhan astting.

of course to some ecademic sociel ecientials the mantion of the word "npplication" brings on a hot flush. It is no coincidence, some people sey, that Mr Robinson is hoading the SSRC's investigation of policy; studies. There is, n widespread belief that he was appointed chairman of the council to toughou it up, nake it more responsive to the needs of government.

This belief is controdicted howover by the feet that Mr Rohluson's
group will go fut out of their way
to exercise any connexion hotween
policy studies end Professor Dahrendorf's discovery of the "British
predictment", If the luguerious

a made the SSRC what it is and britten prevented any real "bridge building" between academe and government.

Sitting any institution outside a miversity rule its staff of that security which tenure and the street is couched in language incomprehensible to the decision makers or else there is an institutional block to its transmission. The inner numerous of the internal security life carries towards learned fruct to contract nod huilding a presearch career are well high huposalide. Britain does not not seek capacition in the management of research.

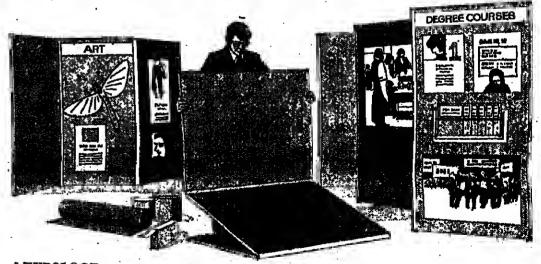
versity life carries rowards learned journals, monographs and forms not available to generalist administrators and busy politicious.

These reflections will emerge in the deliberations of Mr Roldmon's group and it will be interesting if they find the case for a separate and new institute of policy studies proven. If they do, the judgment is in a sense a verdict on the direction the SSRC has taken in recent years—away from applied work of direct interest to government. If direct interest to government. If they do not, the task of the SSRC remains a large one. There is a case for a greater input of social

group's work bangs the likelihood of any independent move by Professor Dalarendorf. Already he has shown signs of chafing at the blu of British institutional inertia. If the SSRC is not willting to act on what he concludes a progessory conwhat he considers a necessary concern, he could well attempt to stage
monoge the importation of the
Brookings idea. Few are os well
qualified as he to build bridges
between politics and academe.

The polity stables landwagen, given for the polity stables that the great property of the continuental papers by the foster Ralf Disterned of the Longuistic for the Social Science Research Control and the Social Science Research Control of the Social S unfold with

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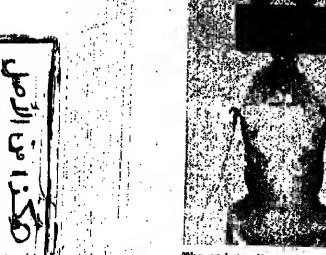


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new professional body

-

Evan before Argentina's military government announced sweeping onivarsity changes last October, there had been signs that trouble was afoor. Alberto Constantini, a professor of long-stending and a man of liberol views, was appointed ractor of Buenoa Aircs University, the tap academic post in the country. Bot he made it plain that his acceptance of the job was canditional on respect for university autonomy, on an end to "witch hunting" against leftists, end on continued support for research.

His conditions were widely accolomed in the Argentine press. In e climate of intolerance and topression, it was as if an Argentine voice of moderation was being

volce of moderation was being heard for the first time since the March military takeover. But relief

March military takeover. But relief was premature.

In only 37 days Constoatini hed resigned. He explained: "As soon as I took up the post conditiona chenged. The Minister of Education issued a document (called the National System of Superior Education) eccording to which he is golog to reduce the fatulties end give us orders: all of this wea to have been earried out in completa allenca, against my conscience. I agreed to be o teachar but I refuse to be a geoler."

Shortly after, seven of the mine antiaet the "youngest the longest record of refurin.

Bruere has elao damanded in damanded in the importance of the conatry's content of the conatry's construction in higher edocation in higher edocation in foveur of moss training in polytechnic industry.

Thus, in o single document, all staid down by Constantial lines here in the university proposals.

Thus, in o single document, all staid down by Constantial lines here in the conditions laid down by Constantial lines here in the conditions laid down by Constantial lines here in the conditions laid down by Constantial lines here in the condition in higher edocation in higher edocation in the content of the conditions in higher edocation in the content in the conditions in higher edocation in foveur of moss training in polytechnic incompletation in higher edocation in foveur of moss training in polytechnic incompletation in higher edocation in higher edocation in higher edocation in foveur of moss training in polytechnic incompletation in the conditions in the importance of the conatry and a drastic file incompletation in the conatry an

have been earried out in completa allenca, against my conscience. I agreed to be a leachar but I refuse to be a geoler."

Shortly after, seven of the tilne faculty heads of the university also resignad, highlighting the way in which university autonomy is on issue in a country where, more than in other Latin American republics, the successes and fullures, declines and improvements in ocasionic with private industry.

Thus, in o single document, all the conditions laid down by Constantial linve here university praphasis overwheintingly voted for in Contracts in March, 1974, when Juan Domingo Permi ivas in power.

Such changes threaten not just condenic freedam, but the entire university system as traditionally conceived. Indeed with Brucra's end improvements in ocadenic standards hove been directly related to the degree of outside interfer-

ence.
This interference has treditionally This interference has treditionally fallen into two camps. On the one haod civilian governmenta have sought to make the university moce democratic, and to use it us a platform for increasing the country's indopendence, emphasizing scientific and technological investigation. Argentina's ermed forces, however, have sought just the revease. They have tried to preserve the university for an clite, and have addressed the country's dopendence through higher aduaction by encouraging the influence of foreign private business interests in certain key courses.

They have tried to preserve the university for an clite, and beve endorsed the country's dopendonce through higher education by encouraging the Influence of foreign private business interests in certain key courses.

Examples of the first group include the Redicel Government from 1916-30, Peronist governments under Hector Campora and Juant Domlogo Peron, and now Constantial. Within the second group falls the influence of the Catholic Church which is more conservative in Argentina thon in any other Laiin American country—the military government of General Ongania in 1966. Isabol Peron's government from July 1974 to Morch 1976, and the prasent military regima.

Of the two, it is the second group that the most temporal with the second group that the second group falls. The most accluse problem, how government of General Ongania in 1966, Isabol Peron's government from July 1974 to Morch 1976, end the prasent military regima.

Of tha two, it is tha second group that has most tampered with university freedom, and as a constitution.

sity freedom, and, as o result, done more to contribute to acadamic declines. However, no tampering in Argentine universities is so comprebensiva as that envisoged by Ricerdo Bruera, the present Minister of Education.

ster of Education.
Sterting with the ideas that "low and ordar" must be established, ond that the ebief alm of n university is to train people for jobs, Bruero claims that the reorganizotion will take eight years to com-plete, end implies strict ideological rontrol over teecher appointments,

This statement was made by a vice-chancellor following changes announced by the Argentinian military government which threaten not only autonomy but the entire university system. Joan Monahan reports

essemblisa on the campus, an end ta student participation in determining oniversity policy, rigid limbs on the number of students who may enrol, e reduction in the number of paychology, sociology and anthropology facultiea (since these, according to Bruere, ore "dangered ones" and altract the "youngest foolige at the "youngest foolige and altract the "youngest foolige at a codemic standards and the people").

Bruere has elso demanded a constant to nighest accdemic standards and the linguat record of reform.

Bethiclerical and Perunist influence in Argentine universities have

Such changes threaten not just ochdemic freedant, but the entire university system as traditinally coaceived. Indeed with Brucra's chonges it is difficult to see what higher education may emount to in Argentina.

Such changes thraoten not first ocndemic freedant, but the entire indiversity aystem as traditionally conceived. Indeed with Brucra's chenges it is difficult to see wint ligher education may emeunt to in Argentina.

Admittodly, whon the military government come to power of the beginning of 1976, Argentina's 25 stete universition were in a moss. An ecuto economic crials had resulted in aimout all these institutions running at a deficit. Facilities were tremondously overstream inside the universities brought evectowding.

According to official steustics, in 1975 there were \$00,000 students in national universities and \$0,000 more after the country or 15 times more students than in 1940, e growth which hed led to an early and interest the content of the content of

Tha most aeclous problem, however, in terms of a lowering of academic standards, wos tha brain drain abroad, which hod reached drametic proportiona. In the threat years up to lost October, 60,000 Argentup to lost of \$564m a year, aclentific tachnology was imported from that the placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development of the student body. Following a continuous ban on Peroplism, the most popular politic in universities were interred to placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universities were interred to placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universities were interred to placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universities were interred to placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universities were interred to placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universities in one year, aclentific the placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universities in one year, aclentific the placed by government oppointees who had few ecademic qualifications and who spoke opanity about the industrial development in universitie

One reason for this emigration has been low salaries. A university professor dedicated to full time research in Argentino today earus 68 dollars a mouth, five times leas the in Venezuela, Brezil or Maxico.

Another factor le their accessive

rontrol over teecher appointments, student admission, course content and bibliographies (for example, philosophy is to start with the Ancient Greek philosophy, but Regel and Marx are omlited). There has also been a shortaga of postgraduate openings, However, outwelghing all these reasons bas been persistent government interference, and following the oew unibeen persistent Bovernmeot inter-ference, and following the oew unlyears in exile.
At that three, and largely dictated

At that three, and largely dictated by the previous repression, the universities changed averagint. During the interim government of Hectar Campora from May to July, 1973, bafore Peron's accession, the entrance hulls and walls of Hueros Aires University lanked as if a cultural revolution had hit them.

Posters of Peronist and Tratskvist goerrilla organizations. arevinusly

goerrilla organizations, previously hanned, were plastered everywhers.
Graffiti orged a defence of socialism. Professors with connections ism. Professors with connections with the previous military governments or fureign companies were dismissed. And courses were ruli-

cally changed.
Troditional philosuphy

Backlash sets in

During this period international organizations such as the Ford Foundation established grants for Argentines, and, as well as European influence, suchlagy, psychology and anthropology departments modelled on United States universities began to be extablished.

In complete contrast cases the

In economics the hibliography was extended to include not just Samuelson—a text whiely used in the United States—but also Karl Mara and John Maynard Keynes.

The effects of this capharia, understandable after so many years of military illetaurskip, were anarchic. Ametheless, though orientated to the left, there was many publical tolerance and freedom during the Campora Covernment than ever before in Argentina.

The accent was placed on student participation, an an adaptation of

Firmly to the left of the political spectrum,

With hindsight, Argentines ergua that this radicelization was possible because, elthough repression against students continued after 1966, it was never systematic. Thus by 1968 was never systematic. Thus by 1968 it was never systematic. Thus by 1968 of themselves on a large acule when ar, the combined discontent of workers as and students exploded in Cordoba and as a culmination of the repression of the yeer, the locidant marked and as a culmination of the presceded it, that the naw unimaring of organized guerrillo ance.

By July, 1975, the Argentine unimarity teachers' confederation wersity teachers' confederation in the call med that Isebol Perun's fed themselves on a large acule when are ance.

By July, 1975, the Argentine unimarity teachers' confederation in the prescript of Education, Oscar peace of the gravayarde on the ground, and as a culmination of the repression of the prescript of the repression the prescript of the repression the prescript of the repression that the prescript of the repression the prescript of the repression that the prescript of the prescript of the repression that the prescript of the

militury government that eventually puved the way far a return to Peranist government in 1973 after 18

Troditional philosuphy courses, for example, were replaced in part by studies of Smuth American pulities and Perun's dactrines. In an introductury architecture course, a film-shuw alternated views of Buenos Aires' new Sheraton Hutel with pictures of the jumbled grey shonty-towns that ring the capital.

participation, na an adaptation of courses to fit Argentine needs, and on freedom of investigation. To consolidate these changes Pernn's gavernment level and the course of the course o

ties wore tremoudously ovarstrotched, and free and open odmission to universities brought overcrowding.

According to official studistic, in
1975 there were \$00,000 students
in national universities and \$0,000
mora in privete institutions, representing one students for every 48
people in the country or 15 times
more students than in 1940, e
growth which hed led to an acute

Bra.n-drain grows

This incident, unprecedented in
According to official studistic, in
1875 there were \$00,000 students
in national universities and \$0,000
mora in privete institutions seemed to amount to
really was e sharp, indiscriminete,
senting one students for every 48
people in the country or 15 times
more students than in 1940, e
growth which hed led to an acute

Bra.n-drain grows

This incident, unprecedented in
According to official studistics, in
1875 there were \$00,000 students
in national universities and 50,000
mora in privete institutions, representing one students for every 48
people in the country or 15 times
more students than in 1940, e
growth which hed led to an acute

This incident, unprecedented in
According to official studistics, in
1875 there were \$00,000 students
in fact the majority
of students in Argentina were not
repression seemed to amount to
really was e sharp, indiscriminete,

This incident, unprecedented in
Argentine universities, had three
immediate results. The time the propoved o university reform which pledged
to change e colunial university intuit
antotion, populor one.
The intervention was justified on
the grounds that the universities on
the grounds that the universities in
a backlash had set in.

Starting with the violent shoutto the deport it was
abacklash had set in.

Starting with the violent shoutto the deport it was
abacklash had set in.

Starting with the violent shoutto the deport it was
abacklash had set in.

Starting with the violent shoutto the start in the selected of country, increasing numbers of students to teachers jumped from the
dents to teachers jumped from the

It is almost a year since the ADT decided to affiliate to the TUC, but the deliate continues about the association's role. Above, Professor May Beloff approach gives his reasons for resigning; below Dr Sheila Brenner answers his criticisms. and describes the benefits that TEC affiliation has brought. University teachers need a studies

One infortunate spect deformment debate on the fac-liberal studies is the many which the words "general at have come to be accepted a alternative to the words "has studies".

In a recent article in the land recent article in they mean English the municularis, this development organization of industry, on their tuples outside the hasyllahus judged useful and to relevant to industrial preparation contrast to British real. In contrast to Brilsh ted French wisely retain the "humanisme", and it keep the and porpose perfectly desc.

and suyings.

llut courses inside such ha isme 't vannot he put over h lecturer who is relying up own academic background in three the hundlectual food with

the contrary, he really need a need to the contrary, he really need a need to the contrary and the need to the contrary he academic inclinations.

Students in any aspect of the

egainst any subject or any rate of presentation, which remade of pre-Ci-level schooling. The an inner need to express themse whitmuch they are usually use

Hence, mio of the lectured!

llence, nno of the letter, iectives must be to press the lectual button in the mind significant which sets the mid electronic action. Of course out students have different sets, under "humanisme".

music.
These are a few suggestion.
Illustrate the approach laws to be made to hiberal is The work of the lecturers is a suggestion.

Ing up these courses is mind ing up these courses is mind continued and continued should prove both challengers.

Morenvar, ooce the fire is later

Moreover, ooce the tree on the student minds in student minds in student minds in students, week by week with the students week by week with the student minds in students of a subdivision boilding up of the minds in liberol studies books in students of primalse of prizes at the end according year.

The author is emerical parties of adjucation at Reading parties

The "humanisme" that a

the process, stimulating thep of thought, promoting reflect ing the students to some distributed by greatest minds, and so distinct emotions, that they fold solves driven first into order size of their own year-de "communications." Finally, 1 may also be driven to build us

This development from o professional body to a mere trade union was enupleted by the decision to affiliate to the Trades Union Congress. It is to my mind incompatible with the whole idea of academic independence that the members of the profession, irrespective of their views, should be pact of an organization which is closely linked to a particular multiple party.

When In 1939 I took up my fit a full-time teaching apprintment at the University of Manchester I fulled the local branch of the Association of University Teachers. I thought that entering a profession is could be appropriate to join an organization representative of its luterests and outlook.

a particular juillical party.

"Purphermore, the association seems to have lost sight in other resperts of the prime concern it should have with the right in teach and the right to study. Despite the lame attains to the exercise to pretend that a code of condurt for "elt-ins" does not amount to condoning them, it is clear that such an agreement does in furt assume the legitimacy of some sudents' preventing others from pursuing their studies, just as the Geneva Convention assumes the legitimacy of war.

"To my mind this agreement is the

" To my mind this agreement is the

pressure on Universiles" his "position can be held." I hope that, nevertheless, it will not be regorded an unfair to examine critically some of the points he makes.

Professor Baloff suggests that "the right to tsoch and the right to study" should be o prima concern of AUT. This is a fine sounding slogga, but it needs some analysis and filling out before in becomes practical policy.

It is interesting the note that professor Baloff regrets AUT's "development from a professional body to o mero traile union". However, in his history of AUT, Key Professor, Harold Perkin quotes the minutes of the founding macring in 1919.

larger proportion of tha population thon previously—a matter which has been, and still is, of prime concern at AUT—as "indiscriminate growth".

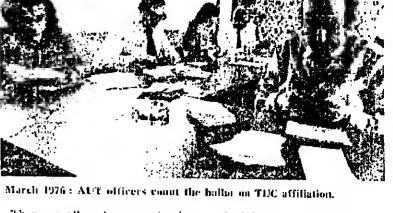
These show us that the first pupils and thair subjocts of study and instruction", to which has been, and still is, of prime concern at AUT—as "indiscriminate growth".

Professor Beloff seems to use the words "professon" and "professor Beloff the words "professon" and "professor Beloff the words "professon" and "professor Beloff the words "professor as authority growth the association have been soloned as the slogan of the good embodylog oil the virtues, Presumbly readers ore meant to identify with this much used signal proved, educational motters generally would form the standards and university to cheens the meterial conditions had been andistres, and incomply the association have been andistressed as a regoments aboving, for example, trades unique as objects for contempt.

It does not work with everyone. I asked a number of friedes and conditions for the growth at image "professor for contempt."

It does not work with everyone. I asked a number of friedes and conditions had not respect to the modern than the respect of the conditions of the second work with everyone. I asked a number of friedes and conditions had not the role and contribution of unitary than the role





situation - the period of indiscrimin-ate growth which left the universithought the settering a profession in could be appropriate in join as organization representative of its an internal state of the part of a commit recession; which lift its motivers against government enters of the Caford branch, and have remained a regular three-paying if any very active member ever since. Now, after nearly 4tt years, I have written to the chairman of the Oxford branch, and provides the Caford branch, and have remained a regular three part of an expensive the Caford branch, and have remained a regular three part of an expensive three part of an expensive three part of an expensive three parts of an expensive parts of an expensive three parts of an expensive three parts of an expensive parts of a

I most admit that the writing of this letter gave me a greet sense of relief; there is anothing that anys the will so much as the felse position of being a member uf an organization that one sees as less and less representative of one's own position on matters of deep personal concern. versities are grauping of teachers who have two priorary ohligations, to their pupila and to their sobjects of stoly and instruction. Because of stony and instruction. Because the community thinks that these functions ore valonble, it provides their bread and butter in a variety of ways, mustly nowadays through salarie; paid for out of the public

fessions and in relation to other branches of higher education But this is in 1910 the product

of two particular factors in the

They are allowed to exercise in- unach of the impetus that lies behind

lot the reusons for synding in recent decades. Nor do inter-"unionization" in the oniversities notional comparisons give one much are very particular. Essentially, uni-

It may be that the professional chic, the development of which was mue of the geedt and underestinated they to the growth of our civilization was something destined to heve only a very krief flowering.

Without a continuous and who repodiated the whole trade union, pressure group outlook and tactics of the AUT.

Could one still try to revive the professional cthic by a coming together at those who still feel its arrength and try to guide their own professional conduct by its standards? I do not be standards?

the three personal control of ways, mustly nowadays through to the public of such loog duretion, and to realize that ono is clesely in a minority among one's colleagues. I ahould like to try to explain my motives at rather grotter length.

Let mo begin by accepting two position. In the first place, I do agree that university taschers here can be will not the first place, I do agree that university taschers here of considerable degree of discrimination in matters of remuneration as against the members of other pro-

Mere resignations from the AUT, and clearly union is not unique, are not sufficient. Were I yumber end without my heavy administrative responsibilities, I would be tempted to found a new body which should try to recruit all those iniversity teachers who thought of their profession as a troe vocation and who repoditted the whole trade-union, pressure group outlook

We must continue to forge links with the working class

Professor Beloff points a pathetic picture of himself with "heavy administrative responsibilities", spending "e good deal of time at momerial services or reoding oblinations" ond doubting whether in the face of "utilitation and philistine pressure on Universities" his "position can be held." I hopo thus, nevertheless, it will not be spended as unfair to examine cribackground to the recoirement that



Like mony other unions, AUT has found that it is not elways easy to separete o "professional" view of this industry in which members work

unionism.

University icachers' "obligations to their pupils and thair subjects of study end instruction", to which Professor Beloff refers, have led them directly to considerations of such matters as students' grouts, provision of libraries and research agulpmont, end salories and conditions of suppoyment of research workers.

This principle has been a fundumental port of AUT policy ever since, and has been of the core of many sobsoquent reports. It has conditioned AUT antitudes to attach and increased influence. deut grants and to the improvement of secondary education.

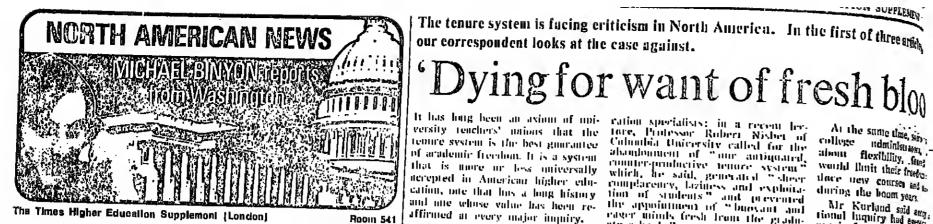
presented evidence to porllementary and other comulities dooling with government research and development, the training end oduwith government research and A resolution of access to higher development, the training and oducation of toachers, postgraduote education of toachers, postgraduote education, omployment and training, continuing education, university libraries, and many other information to the general furportant topics.

dent grants and to inc improvement for the property was only the fical of many to deal also with such subjects as the nature of university courses, the place of research in univarsities, and university government.

Over the past fair years AUT has presented evidence to perliamentary and other committees deciling and regional TUCs.

A resolution co access to higher AUT and AUT is still exploring what it can





Room 541 National Press Boilding

Poll shows grade inflation and more conservatism

new students at a sample of S92 two-year and four-year culleges and universities. Of these, 215,890 questionuairee from 393 institutions were used to work and the unitonal norms for America's tatal of clean norms for America's tutni of about 1,763,000 freshmen last actumn.

Of these, 19.7 per cent earned moverage "A" in high school, which is on increase of 14. overage "A" in high sensol, which is on increase of 1.4 per cent over 1975 and 6.2 per cent nver 1969. The number of freshmen with "C" averages declined from 32.5 to only 19.8 per cent during the same

"C" students our numbered "A" students by more than two to one ju the lete 1960s, the two groups are of equal size today.

"When you consider these grade increases in the light of decilning college admission test scores, it is hard to escape the conclusion time griding stendards in the secondary schools bove been declining stendily sioce the lete 1960s", sold Prufessor Alexander Astin from UCLA, director of the aurvey.

when asked about their chonces of getting of least a "B" average in college, two students in five 141.6 per cent, up from 38.6 per cent in 1975 and 23.6 per cent in 1971) sald their chances were "very guod".

of basic research

Basic research provided the information that preceded odvences in many areas of national interest

In many areas of nathmol interest such as health, energy, productivity ond egriculture. Dr Richord Atkinson, the Foundation's acting director, told Congress last week. "We know from long experience that basic research is a well-spring of technology end leads to the establishment of new industries ond improved services", he said, with clear append to the new edministration's priorities.

several erguments, he said

Congress told of importance

Freshmen are entering American students showed some unventent to Freshmen are entering American colleges with higher grades than ever before, indicating that grade inflation is continuing in the secondary schools, according to the eleventh annual Survey of Entering Freshmen, conducted by the University of California at Los Angelos of the survey that liberals laye not Freshmen, conducted by the University of California at Los Angeles and the American Council on Education at least a two in one edge over conservatives.", Professor

The survey showed that women had an incrension interest in trudi-tionally "male" accopations. The proportion of women pluming thera is their runnin fur manneuvre, coreers in law, medicine, business

in nsulrations for odvonced degrees. The groportion of 1976 first-year ndvanced professional degrees in-19.8 per cent during the same per cent between 1975 and 1976, The survey found that whereas attudents by more than the same per cent between 1975 and 1976, while the proportion of men doclined from 26.3 per cent to 24.8 attudents by more than the per cent.

Two out of every live students socking advanced degraes now ore wumen, compared with one in five in 1966.

in 1966.

Student prefarancea for the more applied fields of study continued in grow. Cureers in business shawed the inrgest increase—from 13.8 percent to 16.4 percent—between 1975 ond 1976. Interest in teaching, which declined to an all-time low of 6.5 percent in 1975, increased to 8 percent in the new survey.

For the first time n unjorly of freshnen (53.1 percent) indicated that "heing well-off financially" two a very important and in life. ivns a very important gnal in life.
The greatest helief in this gund
(68 por cent) came from students their chances were "very good".

Eleven per cent of the frashmen (68 por cent) came from students and nelly 3.7 per cent in 1968) oxpected the graduate with innours.

Political solf-identification by the Control of the lens to produce the lens to provide the lens to private the lens to provide the lens to private the lens to provide the lens to some time, for 20 or more years miond, callege faculties will be

nging—mid may group muible to reitew itself becomes stogmant." "The presont tenure policy enudemns higher education in becoming a declining industry' and eventually a 'dying industry'. Calleges are likely to become the rollronds of the knowledge industry."

Opposition to tenure has also come from a number of higher edu-

granted tenure with the result that

sufficating youthful cremivity.

people. At a time when universities

are not expanding much, if at all,

Certainly the American Associa-

ting of University Professors has

no intention of diluting its policy

which has remained more or luss the

same since 1940. It has conceded

that in cases of extreme financial

exigency-such as the Chy Univer-

sity of New York-tenured tenchers

mny he dismissed if no alternotive

jobs can be found for them. But

it still exacts consideration of life

tenure after a probationory perind,

and does not support a blanket

proscription in tenure in any fusti-

A rocent orticle in the Chronicle

of Higher Education argued, how-

ever, that without changes in tenure

policy culleges would some be

It said: "Then in turn can only

accelerate the decline in groduate

enrolment, thus creating greater

pressures to can both faculty sizo

and foculty suluries. But nt the

muble in helig in new people.

Part of City University of New York: many lenured staff dis-

It has long been an axiom of upis versity teachers' unions that the tore, Professor Robert Nisber of tore, Professor Robert Nisber of Columbia University called for the abundant of "our antiquated that is more or less universally which, he said, generated "sheep during the boom seems and by the country and by the country and by the boom seems are the boom seems and by the boom seems and by the boom seems are the boom seems and by the boom seems and by the boom seems are the boom seems and by the boom derepted in American higher eductionary, laviness and exploitations that has a long history tion of students, and prevented and one whose value has been re-Mr Kurland sad seg-tional inquiry had seed, out in favour of tomateut eager uninds fresh from the gradu-Although tenure remains the ate schools ".

cornerstone of academic employment, it is coming under increasing attack—nfien from distinguished attack—the from distinguished sity Teachers that tenure in Canada technical at the cold of their particular distinguished sity Teachers that tenure in Canada technical at the cold of their particular distinctions. teachers who themselves enjoy sity Teachers that tenure in Caronla tource Their main charge is that mo many teachers have been fessor Whyte was himself more a member of the association's Avathere are few apenings left for demic Freedom and Tenure Comyounger teachers. Tenure, they say,
mitter. The CAUT, like its Ameriphase to a "steady star" of has become a featherhed which is can counterpart, strongly supports present system.

There is no question that tenure But they tend to come from differwas granted fairly easily in the ent quarters nowndays. It is the banni years of the late 1960s. And young teachers, generally in favour there is no question that it is now of collective hargaining and other granted very competitively. In some guals of the unions, who are grunlarge state universities about 75 per cent of the teaching staff hove tenore, many of them fairly young people At a simple people At a simple people at the teaching staff hove tenore, many of them fairly young general secretary of the AAUP.

It was particularly pronounced in 1971-72 when there was public criti-cism of "irresponsible" professors clain of "irresponsible" protessors who led the opposition to the Viernam war. A few very visible radical teachers were seen to be finding refuge in tenure for their " unamerican activities", and a number of states initiated luquivies into the

stutious has aggravated this has been no projection athdecimation of the teaching the City University of Ma where more than a 1,000 % have been sacked. The st last-la. first-nut has meant a and palentially mare and chers have born the brust CHES.

teerlail hat did not think to:

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American universities m

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and steady state in itself u mean that the tenured tea

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with teachers who may k

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argument has always beat.

hy proponents of tenure b

more furce at a time where more PhD graduates are go

to the academie market de

are positions for. The dec

particularly ocute in Cast

The flunocial cosis in ga-

Another criticism, elso :

The difficulty, he ud,

This has particularly here and minerity teachers, at been hired in larger number tion has tended to negate the af "affirmative acide" to ulmerity employment

The present AAU sold filmucial exigency say manuate be done to lind the tearlier ulternolive employed must cause, however, take a done must be arreselved. done -- and the suggedenced in underside ments can he "retrained" in avergogulated departaci nor effectively enected.

Despite all the criticist is no sign that the teners is to be sceapped: it is soll linked with the issue disc

New women's studies lobby

As the first round of Congressinnal hearings on the Budget proposed by former President Ford begins, the National Science Foundarion, which wes due to receive a substantial increase in funds, has emphasized the urgent need for more mionoy for American science.

Basic research provided the ininstitutions.

In 1978 special emphoes would be given to a number of fields. Among then were:

Moleculor genetics. Studies involving recombinant DNA were important because of the potential for agriculture and the possibility for alleviating human suffering.

Computer science. The need hore wes for greater computa-finnal speed. The Foundation would encourage research into quicker aignal transmission through minieturization and tha

through ministurization and that improved dosign of software through machemetical research. Earthquake research. Foundation funds for rosearch into earthquake engineering would be more than doubled.

Applied research. The Poundotion would concentrate on food research, espaciely nitrogen fixation and, non-conventional foods. It had already dooe much in the lieida of solor anergy, enzyme technology tunnelling technology, blomass utilization and sludgo disposal. It would continue to concentrate on environmental problems. The total proposed 1978 budget for the Foundation is \$885.nt, The decision to press for higher levels of basic research was based on several arguments, he said These included: 0 continuing rise in the cost of research et a time when the real dollar investment in bosic rosearch has declined; a growing number of mojor research opportunities, such as food production and chemical processing where scientific edvances could hove great economic benefits: mojor research opportunities, such as food production and chemical processing where scientific advances and new advances In ilology and carth sciences that were providing earth sciences that were providing opportunities that could baseful on most of these requests.

Dr Atkinson seld the Foundation are renewed comoutment to scientific of total federal support for basic research.

The follogy tuncelling techoology, blomass utilization and sludgo distorate in solding twould continue to concerned solely university's College of Arta and Sciences has established a deen-teaching and problems of student of their financial dealings. A Feir Political Practices Commilister the supported on warring and problems of student of the course will be our "Writing."

One course will be our "Writing of their financial dealings. A Feir Political Practices Commilister the concerned solely with the supported on the course will be our "Writing."

One course will be our "W

A new asacclotion hos been formed to press for more winnen's studies courses in colleges and universities and for the revision of traditional contribution of women.

Some 600 delegates from all over America met recently in San Francisco to form the Netional Women's Studies Association wants to

The association wants to see spe-ciel courses op women in history,

California administrators to reveal financial interests

A contraversiel rule forcing ull Withlo the university, in seolor decision-makers in the Itnially on the Berkeley and the Berkeley an epproved by the nuiversity Regents.
But the code, drawn up by the code threat to academic freeds. But the code, drawn up by the university's lawyer to comply with u on both sides us being attacked other too weak.

The code weak to comply with u on both sides us being either ton of the Berkeley division in the Berkeley divisio

The code says that the pulversity must designate its senior administrators who make decisious concerning money, and they must give a full of public statement of their finances. An administrator will not be allowed to sit on a university committee dealing with a minier that might produce a conflict of interest. The university has been wrestling

The university has been wrestling with this codo for sume time. In 1974 the chizens of California voted for the Pollicel Reform Act to ensure that all state government officials would be subject to careful scrutloy of their financial dealings.

A Fair Political Procedure Communications academic programmes, life me nize the long term relationship which developed in faculty and the corporation in the tred to consult for in fact, to include faculty

mean that ony teacher

government grant-lo would oliviously have financial interest—night is fied from asking for illustrachers might be fortal assign their own tembooks. students. Other teachers and sides to the code is too west to students issued a statement of the code of the cod it "grossly inedequate" I it "fails to deal with decima

The code must be submited Fair Political Practices Committed within the next week of the commission may then retief

Danes are going to the polls next week. Mike Duckenfield, Scandinavia correspondent, reports from Copenhagen on the prospects for higher education

Tighter purse-strings —whoever wins

two years has been the introduction of restricted admission to the universities and colleges. From Just suttom cutries to faculties of medicine were cut bock from the previous year's 1,400 to 850 and the remaining foculties will follow this

Butumn.

Pinal reports from advisory committees assessing future needs in flya faculty erass are expected shortly and the government will five faculty erass are expected by 5 to 13 per cent.

There will also be a switch in than announce its detailed plans.

Preliminary projections foresee the stabilization of total admissions to traditional five and six-year degree high dropout rates on longer.

While the government does not favour oftempts to gear admissions directly to future manpower needs os plannod in Swedeo, it will nevertheless moke some modification to intoke between different lacolties. Worst hit are likely to be psychingly and teacher training—to be counted by 24 per cent. Homanities admissions will be licid stude, those for speciol scionces increased before of full ludapondence if the new arrangements work conspiction should be accorded to different lacolties.

In a comprehensive system in which it would be yoked together with the universities.

The argoment that it would be be clarified by the Bill.

All that is certain at the moment is that the chief palley-making body of the new universities—which will though the technological institutions have 25 members in each case. The arguments begin when it comes to new arrangements work conspiction should be accorded to different

tween 3 and 6 per cent and those for natural science and technology

courses and partly because of gradu-are unemployment.

Communists stress need to 'integrate' universities

A new blueprint for university referred by the Italian Communist Party attempts to combine complete freedom of teaching and research with intense involvement of public outhorlies, trade unions and, to a lasser extent, employees

sity government.
The minority Christian Democrat

mid the nuiversities own councils or governing bodies.

or governing bodies.

More than one third of the 97man National University Council
would be made up of non-university
membars, six would be represents
tives of the unions, three of
employers' federalions and another
three appointed by the Netional
Rasemen Council. The rest would
represent regional governments: of represent regional governments; of the 64 university representatives 24 would represent students, ossistents and non-teaching staff. The professors' representatives would therefore the level of the professors o

sors' representatives would therefore they are inhearably crowded.

The presence of the local authorities would be evan stronger on the bringing bock the numerus clausus regional councile whose task would not be the best way of solving to coordinate "the teaching and ling the overcrowding problam, scientific policies of the universities and the aims of sociel, cultural and occonomic development in the region and the aims of social, cultural and and education, we occurred development in the region future needs course laid down in regional planning." ably culculoted.

representativea, threa non-teoching The unnority Christian Democrat government is prepering its own Reform Bill, but in a Parliament which is no longer controlled by the government the Community proposals and the not dissimilar ideos of the sociollats could considerably affect the end result.

The unnority Christian Democrat scaft, litrea members designated by the regional government, three by the town where the university is situated, one oppointed by tha Research Council and one by a future high Council for Science and Technology. The remaining three would be appointed by the Education

of the sociollats could considerably affort the end result.

The Communists' draft Refirm Bill aces the universities as collaborating in the economic, social and coultrail development of the country in addition to promoting higher education snd scientific research.

The importance etteched to that formed are the Normal state of the composals for the composal in the distribution of research and the distribution of research and the distribution of research for the composal is bound to be founded and the universities own councils for governing bears and necessarity. It would govern on the restance of the composal is bound to be founded to composal to the composal is bound to be founded to composal to the composal is bound to be founded to composal to composal to the composal is bound to be founded to composal to composal to the composal to composal to the compo

highly unpopular with mony profee-sore. Often a chair serves largely to lend lustra to far more lucredyo activities in the outsida world. Present profeesors who wish to con-tinue part-time would be able to for no more than seven years and at a considerable reduction of their

Tha Bill olso foresees aome syethey are unbeerably crowded.

folm Horgan, Dublin correspondent, on the Irish Republic's long-awaited tertiary level legislation

'Who governs' row may be last hurdle

education colleges to porticular uni-versities as "recognized colleges" culcular chileges to porticolar universities as "recognized colleges" of e porticular town either been agreed or imposed. The last issue of any consequence was resolved recently by the government's dacision (THES, August 13 1976) to obandon its original plan to retain e National University of Ireland as o federal structure incorporating two of its present threa components—University of Ireland as o federal structure incorporating two of its present threa components—University of Ireland system.

At present, there are two main types of governing body. That of TCD—known as the Board—is considered that University of acadamics and odministrators, drawn from within the college itself and, nurre recently, college, Dublin, should become a university in its own right.

The new Bill, while giving statutory shape to on overall irranework which is now functioning on an additional college itself and, nurre recently, college, shape to on overall irranework which is now functioning on an additional college itself and, nurre recently, college student and odministratiors or presentatives, but also elected representatives of

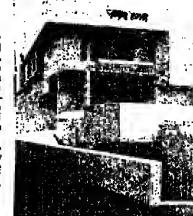
Next The day's general election is another the proof of the control of the post in the last 15 years, which all being the general election is another the proof of the commit recreased demands for the commit recreasing an apple in the proof of the committee of the commit recreasing an apple in the proof of the committee of the c

nope of full independence if the new arrangements work conspicutionsly to their disadvantage.

The brinad outlines of the reorganization of higher education, notubly the adhesion of the higher tochnological institutions and teacher.

Technological entleges which are

Technological entleges which are "recognized culleges" of e particular university, for example, will not be slow to themand adequate



The new library, Trinity College,

of public representatives eletted or nominated by outside interests,

The odd man our of the municity is St. Patrick's College, Maynooth, which is effectively controlled by the Roman Catholic bishops who ore his trustees her which also has a College Executive Council with representation from trustees, staff and students. Maynooth has also

One relatively norrow but import ant aspect of reorganization con versities Act, which was framed by pulltleians and odministrators all too conscious of the possibilities of sectarianism inherent in any Irish situation, the NUI colleges were for religion in one way.
This praviso has been dented in

various ways uver the past half-cen-tory, but it was not until 1967 that the then Minister for Education, Mo Donogh O'Malley, formally announced his lineation of abro

gating it completely.
The Catholic bishops, for the port, are porticularly unxious that the theology teaching in Mayaooth, which is also the national Catholic seminury, should be of the highest orthodoxy. To ensure this they are looking for a system similar to that which obtains in Louvain, in Belains the should appropriate the state of the system of the syste glum, where the rheology profassors appointed by the bishops to the seminary half of the institution ore automatically accredited to the university side.

Commissions

Before it lost office in November 1975, the Whitlem government had plans to annigament the commis-sions for universities and collogoa of ndynicad education.

Top R and D agency comes likely to merge firmly under central control

in occondory reorganization.

In 1973, with the arrival of M pendent hody. New Zealand's UGC head

René Haby, the present Minister, its fortunes changed. M Heby did not endors the reforms proposed lond University Grante Complittee is to be Dr A. T. Johns, the retiring Director-General of Agriculture. Dr Johns succeeds Sir Alan Danks.

The new chalrman of the Now Zee long the endors of the reforms proposed by his predecessor and research previously confined to the institute into the offect of different lengths was increasingly undertaken within and attainment.

and further education.
The Foderal government's proclaimed passion for cost-saving and cfficiency are believed to be behind the annilgometion proposals. The annilgometion proposals. The most important ovaluative of the annilgometion proposals. The most important ovaluative the orea of tertiary education is successor. Meaning the most function from 1970 to 1973, the institute carried out soote of three commissions in the most important ovaluative resigned and his successor. Meaning the most function from 1970 to 1973, the institute carried out soote of the most important ovaluative resigned and his successor. Meaning the most function in plant of the grounds that it was a political foculty, as director was greated by considerable appointment. Dr Magnin has now resigned and his successor. Meaning the most function in plant of the grounds that it was a political foculty and foculty an tion, it had the took of preparing mistitute firmly back under the contaachors for the changes involved trol of the Ministry of Education, though it remains, legally, an inde-



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A British Brookings?

an institute of policy studies, are engaged in on exercise that la perhaps more fundamental in its purpose and more constituted. in its purpose and more creative in its possible consequences than they in possible consequences than they imagine. At stake is the credibility of the SSRC as a reliable source of relevant research in the social sciences: it is difficult not to see in the present interest in policy studies an implicit criticism of the quality and relevance of research sponsored by the SSRC in the past 10 years. At stake also is the ability of the research community to apply of the research community to apply the results of ocademic research and reflection to the moking of

In this latter respect there seems to be an important blockage in British society compared with com-mon practice in the United States or even France. Here a particuor even France. Here a particularly rigorous form of occupational apartheid holds sway. In their early 20s people chonse to become academics or civil eervants or businessmen (or even politiciana by nursing their local generel management committee or constituency association). Subsequently they follow distinct careers that effectively discourage cross fortilization and recourage crose fertilization and respect different values that create spect different values that create no acuta sense of the orthodoxy of "insidors" and the heresy of "outsidere". There is no equivalent in Britain of Dr Ernest Boyer who has just moved from being chancellor of the State University of Now York to become US Geomelesioner for Education, or of the nonnation who moves from the Ministry of Financa to work in a parionalized industry.

institute envisaged in the quasi-institute envisaged in the quasithon uf gonuine roflection. Civil servants have been rigid out myopic in their thinking, fearful of destabilizing chollenges to their deportmental instincts. Academics, frustrated by their luability to exercise significant influence over policy, heve far too often lapaed into vacuous ideonics or pretentious ocademicism.

This above a protection of the policy of th

What seems to be needed is a new breed of institution inhabited by middlemen, the hrokers who mediate between the academic and political worlds. They may be seen either as the high priests who in an atomized but incroasingly interdependent sociaty have preserved the mystery of communication or, mora mun-

organization in better coordinate existing efforts in policy similes. This might toke the form of an unibrella agency for the CSSP, the Centre for Environmental Studies

All three have drewbacks. Something much more radicel than the tidying-up onvisoged in the first solution will be needed if policy studies is to become a bridga between higher education end the world of politics and business. The existing centres do excellent work terms of cereer prospecte and ecarce resources thet follows from this. Something much more inde-

of communication or, mora mundanoly ond perhaps more realistically, as down-to-earth translators and interpreters. This rofe is already played to a limited axtent is not being done.

In critics of public effairs. A British skide but not confused in inerged. Also I argued that from the political tradition of thinking certain applications for a best possible is not being done.

New chance for Rhodesia

Traditionalfy the University of The university declares itself a not concentrated so much in school, and although end immediate post-school further

cals bas recruited moca than accurated from Beltsin. Scient of the staff from Beltsin, accurated in the student now, following a declaration of the properties of over the place from the control of the properties of the propertie Rhodesia bas recruited moca than 50 pec ceut of fts stnff from Beltain. But now, foflowing a Focelgn Office rullog over the placing of advectisements in this country it no longer racruita acadamica through the columns of the Iritish press and is, consequently, suffaring a savere shortage of teaching, ataff in some subject areas.

There is no doubt of the consequence At a tima whan the Ministry of Ovarseas Development is planning to epend £380,000 on funding 320 Rhodesia Afelcans at the university and the World Council of Churches are together, likely to acodemic strength of the univarsity and the world council of the cholesian Africans sudying for higher degrees in America and Education is available to a derisory proportion of Blacks, and many of the Rhodesian Africans studying for higher degrees in America and Education of the University areas—notebly medicine and economics—there are already steff shortages, a situation that has proported of the Rhodesian Africans studying for higher degrees in America and Education of the University of opportunity for change. The university of the State of the State of the State of the University of the Churches are and economics—there are already steff shortages, a situation that higher degrees in America and Education is available to a derisory proportion of Blacks, and many of the Rhodesian Africans studying for higher degrees in America and Education is available to a derisory proportion of Blacks, and many of the Rhodesian Africans studying for higher degrees in America and Education is available to a derisory proportion of Blacks, and many of the Rhodesian Africans studying for higher degrees in the late 1950s the proportion of "homa grown". Black academic is suspiciously low. The Rhodesian ragima militates against their facridimant. The control of Blacks, and many of the Rhodesian Africans studying for higher degrees in the late of the control of the Rhodesian Africans studying for higher degrees in the sundant. The control of the Churches are already steff shortant an

Licence to buy

ubly be refuted.

In his last paragraph he usks for aome means of availing the undesirable consequences of pirrory but singularly fails to suggest may. If he same period, the same period by 98 per could provide the next solution, the could makers and providing it with firmer institutioned foundations.

There are three ways in which this can be done. The first and minimalist solution is to create an order of the control of the control

been to reconcile the interests of the organization in better coordinate continues and producer with those of castons and producer with those of the maintage of the maintag

and accurate report (THES, January, existing centres do excellent work but they are likely in rentain the frontier posts of the academic world with all the discomfort in terms of certain the content of Birkbeck Cullege. But as neither 28) of two parts of my inaugural on Birkbeck Cullege. But as nelther the title nor the theme was oxpladned, these Iwa side swipca (against the building of the new

side but not confused or merged. ee it were, educetiooal system would fullow se regerds: first timing, that education like politics is something that must be carried out continu-

Str.-Tony Hall's leter (THES, Jan- In style, though not in scale, the mary 28) admirably explains the position faced by producers today pusals for teacher today andeniable economic facts of life in is similar to that which confirmed North Type rooms. The three wise men led by Mr Derek Robinson, chairman of the Social Science Rasearch Council, who are at present examining that caso for the creation of the more systematic encouragement of the specific in that which constraint sheet makes the more that which constraint sheet makes the more specific in that which constraint sheet makes the more specific in that which constraint sheet makes the more publishers fifty years in that which constraint sheet makes the more specific in that which constraint sheet makes the more publishers fifty years in that which constraint sheet makes the constraint sheet makes the more specific in the that which constraint sheet makes the constraint sheet

LETTERS TO THE EDITOR

matics and English) as the twin arts of precise expression from which everything else con follow, but does not have in follow or follow all at once. If we had these as the major elements of a core corriculum, two militar eloments are needed : practicni studies (in enchurage a tech-unlugical frame of mind) and political ond economic literacy.

Ja detall, a long and complicated argument I admit; but simple in the sense that I was merely trying in Infer what the educational system might look like as a whole (neither THES nor TESI if we lank at it in terms of the political tradition, rather than economically, platitude ally or, anore often, bureaucrate ally. The full version will uppear in the spring issue of The Higher Education Review. In detail, a long and complicated

Yours sincerely, BURNARD CRICK,

Excellence and after

Sir,-Munty of your readers post have been as surprised as they were pleased to see your thoughtfuf and concerned editurial " Lard Annan in context" (TIMS, February 4). You conclude: "The pupils who in the past would have taken the H-plus and passed little an environment—and passed little an environment and passed latarian environment—whotever its karraw, examination-determined horizans—where intellectual pursuits would not be branded as snothish are a waste of time, ere now guing in hare to be exceptionally strong minded to resist the pressures of the majority... Precisely what effects these changes in sucundary schooling will have is not yet cleur... Whot is clear is that the changes must make a mark."

Do we really need to be quite so cautions and understated? Certaurious and understated? Cer-tainly it is not cleor precisely what effacts these changes will heve. Bur surely there can be an doubt about two inherent tendencies? First, it ously, so spread throughout life end must become progressively harder not concentrated so much in school, end immediate post-school further and higher education, indeed lase compulsory echool but more post-

Sir,-The Secretary of Said the end of the dual system. in the North Tyne regital. in the entire ares out il

he taken with the extent full it does not follow to needs of potential studen needs of potential studentists change. There are naticities and lioked dense need for places in an activities. Of our first-year sides, or cent live in the partial Under the new proposals they either have to leave in entailing financial hadd; many cases and the moke many cases and the probe accommodation, or sleed I

Thus we see the effect system which has an in logic nn paper, but which at revents a cold and indiof leucher traiolog in the me Yours sincerely, W. R. LARGE,

Academic Registrar, St Mary's College, Penhant, Newcastle upon Tyne.

Sir, Your report on piles; cher training in Ireland if Jonnary 21f, was, with report in the piles of the pile Third, and nost in Trinity's 11Ed programme, college's relationships with ciated calleges of educaquite different from these paint the National University in the National University NUI simply "validates" it is of its colleges of education arranged the degree. At least the other hand, BEd substitute of the university of the university of courses laught as university?

Your other report in the lesue, on veterlnary leachest lin by its brevity and he such undefined terms is zation " does no justice at exceedingly complex 206 problem.
Yours falthfully,
J. A. BRISTOW,

Teacher train

Social realism as an agent of protest Georg Lukács, recognizing the literary breakthrough represented by Solzhenitsyn's One Day in the Life of Ivan Demisocich, stated in characteristically authoritative manner that "the central problem of socialist realism today is to come to terms critically with the Stelling or and Without programmer. Stalin era. . . Without uncovering the past, there is no discovery of the present."

there is no discovery of the present."

It copy seem that there is no more absolute contrast than that hereen Solzhenitsyn's typically uneventful day in a typical prison camp and the extraordinary, and violent, intervention of Russian troops against demonstrating East Herlin workers, which is mirrolly associated with Jone 17, 1953, but hold kinds of situation from part of the formal date. formidable critical challenge to Fast Euro-

pean writers today.

That afternoon in 1953 is the culmination of Stefan Heym's Five Days in June, and his treotment of such patentially explosive subject-matter reflects the continuing dilemma

ject-matter reflects the continuing dilemma of the committed socialist writer, seeking to present bistorical truths which may conflict with the Party line, but in what he sees at the languerm interests of his pulitical cause. Heym, with the neventage of his hi-lingual fluency and a reputation first estoblished in American exile through his war-navel Tha Cristolers (1948), is probably the hest-known Bast German novelist in the English-speeking world, but East German literature has as yet attempted little more than a courious recknoing with Staliniant.

The process begon in the 1960s with the Bitterfeld novels of authors like Christa Wolf

Bitterfeld novels of authors like Christa Wolf and Brighto Reimann, who found it impera-tive to portray something of the bleakness of their pioneering years in order to write with a more positive perspective about the sea of the Berlin Wall. The approach to Stalinism hes hitherto been of this indirect nature, usually within e retrospective analysis of the dovelopment of character, as in Wolf's later novel The Quest for Christa T., published in English in 1971.

lished in English in 1971.

Stefan Heym's oew navel is the first direct study of the German Democratic Republic in its major crists of June 1953, seen in reletion to the internal ideological conflicts which followed Stalla's death in March of the same year. The official vlow in the GDR, however, remains firmly that the events of Juos 17 represented an attempted counterrevolutionary putsch, organized and ectivated by subversive grampings in the West. For the English-speaking public, Five Days in June will serve on the purely documentary level as a well-informed contrast to the perapective offered by Günter Grass in The Plebeiaus rehearse the Uprising behind a theatrically compelling, if historically ineccurate, projection of Beriolt Brecht's sluntion at the time. It will also provide a vivid bockcloth to Brecht's nam luconic refer-

vivid bockcloth to Brecht's nwn luconic references to his frustration and depression, in the posthumously published Buckne Elegies

Heym's respect for Brecht is clearly indicated by his incorporation into his hero's float deliberations of the pointed question raised in Brecht's poem "The Solution", whicther e government whose representatives tell tha people that they have "forfelted its confidence" shouldn't simply "dissolve tha people and elect another." Heym does, however, add the more practicable suggestion that it would help simply to place "some other workers ipto the workers government."

Heym's personal involvement in the interpretation of the events of June 17, 1953, has been of a quite exception of nature, and offers a fascinating insight both into his development as a writer and into his changing view of his privileged role, as one of its small group of intellectuals who enjoyed a certoin literery prestige before becoming citizens of the GDR.

The workers' revolt was the first major Heym's respect for Brecht Is clearly Indi-

the GDR.

The workers' revolt was the first major incident with which Heym was confronted after ending his 19 years of exils as a political protest against McCorthylsm. By coincidence, he had, on the very eve of June 17, been defending the varishmilitude of an anisoda in the serialized German version of his latest novel; Goldstorough, in which American trade-uniquists were cleverly exploited by agents provocateurs for their reactionury ends.

reactionary ends.
In the ovents of the following dey, Heym inevitobly sow his fictional analysis vindicated, when in his worth of July 1953, "a considerable pronortion of the working-cless of the GDR fall pray to a much greater fascist provocotion". Here, irresistibly, was the lineme for o noval of cantral contampor "significance to mark his integration into his new sociolist environment.

He began assistanced to build up a documentary record, in order to analyse how the crisis had accurred—in opposition, anturally,

mentary racord, in order to analyse how the crisis had accurred—in opposition, anturally, it authors in the Faderal Ropublic seaking to Convey the Wostern view that the rising was a spontonaous and well-juntified protect against the policies and methods of the Uhricht government.

In the second bull of the 1960s it was woll known in East Germun literary circles that Hevra had completed a very lengthy novel, with a dife—Der Tag X (The Day marked, X) which implied his andorsement of the

Stefan Haym: Pive Days in June. A novel. 352p: Hnddar and Stoughton, 1977. £4.95. ISBN 0 340 21205 5.



Dennis Tate describes the history and political background of Stefan Heym's novel Five Days in June, based on the suppression by Russian troops of riots in East Berlin in June 1953

official line that June 17, 1953, was the pre-predulated day for the culmination of the systo-matic subversion. was the pre-tin the search for subjects which might offer a fruitful perspective on them.

But his documentary researches bad clearly also had the effect of revealing the truth to have been rather more complex, with the integral traumil in the socialist states after Stalin's death paralysing the GDR to the bour of greatest need.

There was ample evidence to point to dis-orientating contredictions in the weeks before the workers' revolt—horsh increases in industrial work norms at one montent, then public admissions of a whole series of orrors, end the manguration of a "New Course" promising individual liberales and the improvement of material welfare.

The first demonstrations on June 16 were The first demonstrations on Juno 16 were certainly influenced by an inactistiva erticle in the trade-ution newspaper Tribine, which cill instact in the contpulsory normicoreases. The emergency meeting of Party octivists that evening, addressed by the SED leadership, had not even considered a strategy for dealing with the general strike called for June 17. In addition, there were the persistent rumours of indecisive power-struggles in Moscow and East Berlin. in Moscow and East Berlin.

Ennugh of this dentil had obviously found its way into Der Tog X to make publication unthinkable for a government lorgely unchanged from the Stalin cre, and atriving desperately to build up o stable industrial

Stefon Heym showed greet persistence in attempting for years to have Der Tog X published at every hint of relaxation in the Kulturpolitik, hun finally turned in frustretion in 1964-65 to the Federel Republic. Not only was it rejected there, however, oo literary grounds as well as on account of the dublousness of the "Day X" theory, but Heym also found himself denounced unreservedly by the Party's Central Committee in December 1968; mainly because of his alleged propagation of o "totally felse" version of the cyclic of June 1953.

Thie was en undoubted turning-point in als career, depriving him of his secura existhis caraer, depriving him of his secura existence as a professional writer eod meking it virtually impossible for him to publish coything further in the GDR. Like the other independently minded socialists subjected to the Party's particulor scorn at this stage, the distinguished Berlin professor. Robert Hayamann, and the provocative singer-poet, Wolf Blermann, Haym was unrepentant and supported himself mainly through income from the Wostern custural world.

from the Wostern cultural world.

Nothing more was heard of Der Tog X, and the finel word oppeared to have been promouocad when Havenlann commanted in his outoblography of 1970, from a position of intimate knowledge of the altuation in June, 1953, within the Berlin SED, that the novel would have done a disservice to history by perpetuating the Porty's overall view of events, and was batter left unpublished.

Between 1965 and 1972 Haym, not unlike many of the German watern with whom he

many of the German writers with whom he had been largefy oursalled since 1983, the Third Reich, turned his literary attendens to historical thamas—not so much as a material aveilable, which strikes a balance

In the early 1970s two works oppeared in West Germany and the English-speaking world developing the moin themes of his nominute essay. "The Dreathesa of Minsk", which had for the Party in 1968 compounded the dissent inharent in Der Tag X—tho ropressive natura of authority, and the writer's spacial role as an uncompromising seeker siter truth. seeker sfler, iruth.

The Queen against Defoo (1970) and The King David Report (1972) were both based upon literary antecedents, namely Defoe's satirical pamphlots of the early eighteenth century and the account of the life of Devid in the Old Testament, supplemented by solid schulerly reaeorch halo each period. They have enjoyed success for the wit end vitality of their nerrotives, ea well ea for the original perspective adopted towards otherwise familiar subject-matter.

In The Queen agoinst Defoc, the fictional diory of Josiah Creech, essistent to Queen Anne's Secretory of Stete, the Enri of Nottingham, bears pained witness to the failure to suppress the soditions influence of the discenter Defoe: in The King David Report, the honest scribe Ethan is entrusted by King Solompon with the tesk of compiling "Tho One and Only, True end Authoritative, Historically Correct and Officiolly Approved Report" on the cecently decassed David, but there proves to he a yewning guff between the Iruth and the residuely fostered legend.

Whereas Heynt's Dealel Defoo is a wish-

Whereas Heynt's Deniel Defoo is a wishfulfilling incernation of the writer as the people's hero, thwarting officialion et every turn. Ethen lives much more perilouely in conflict with his ruthlossly efficient maetars. Ho is satisfied if he can insart "a word here at the line thara" to holp posterfty discover "what really happened", and yet he ends up, not unlike fleyin in 1965, "senteoced to the death of silence" because he koows too much.

The racilty of the 1970e was to lie, less drameticelly, between these extremes. Heym drameticolly, between these extremes. Hey mee reprieved in April 1973, on his skileth birthday, as part of Enich Honecker's more an lightened Kulturpolitik, and his recent work all eppeared fairly promptly. Heym's response was, on the surface, quite unexpected. Within months he had submitted a totolly revised version of Der Tag X, now entitled Finit Tags in Juni, to publishers in both parts of Germany.

e in both parts of Germany.

His perspective had, however, modified significantly. There was stilf an obvious naed for a differentioted variation of the events of June 17, 1983, but the issues were by no manns now. "historical", With the willings of on Ethan and the volled mudecity of a person of the Heym had, it seems, conceived Five Days in June to stretch the new Kulturpolitik to the limit and yet avoid jeoperdizing an opportunity no simulate the debate in the GDR on the furure course of socialism, which had been largefy ourselled since 1983.

His framework is a fudiciously aconomical

hetween the "Hay X" theory and the revela-tion of the crists of policy and leaders up to the TDR—off demonstrably authentic and much of a, like the excerpts from Phrish's speech on Jone 16, remarkably revealing. The informal attorn is actively chrono-logical, compressed into the Ere day, begin-ning in June 13, with the reason of the loca-ptorably mass me hours are related to the consec-

using on lune 13, with the reason of the inex-orably pass or hears recorded at the corr of each short chapter, and at least an echo of that Reed's vivid reportage on the Rossical terolumon, Ten Days that shook the World. The emphasis is almost entirely on the sma-tion of a typic of Earl Berlin featury, with no fittenual examination of the extention which the Western subversion was coordinated at higher level, even though the lesser agents propocateurs are active and rubbless.

By the evening of June 17, however, it is included felt to be improductive to dwell apart the "Day X" arguments—"The worst thing for us would be to try to throw the library to our own incompetence and blunders on the enemy." Their inclusion, like the whitewashing of the Russian interrention, may have seemed to Heym a justifiable concession to be difficultied of the mixel in the EliR.

cession in lacilitate publication of the movel in the Elik.

Through he main characters, Five Done in June becomes—40 his advantage as a particul document, but to its detrinent as a nevel—much less distorical. Muchin Witte, the trade union urganizer, Wilhelm Banggoriz, thio Party secretary, and August Kallmunn, the epitume of the decent, Industrinus, but stubbornly and-communist working-class, represent three main alandpoints in a continuing delinic mathematic man of oction.

The omeomic, however, is never in doubt, aince Witte is the herole man of oction throughout, enjoying Heym's adudration and support at every turn, as much as Deloc and Ethan did before him. Witte, one of the "reol communists", works ilrelessly to bring in a new era of revolutionary democracy against Party dogmotism and the workers' suspleious. Banggartz is, in contrast, a cliché of apineless hureourracy, rendered physically end mentelly holpless by the audden loss of authority, which is a "nightmore" to him.

The ageing Kullmenn'e crisis is far more envincing, in the context of his past life and domestic circumstances, as that of a "natural" socielist manipulated into leading a strike, the dastructive effects of which leave him in bewildered dislibusionment. The minor liques than in fall, despite some effuctive characterization, into one of these three camps, but the nevel does break now ground boldly, in dooleting the confilet of ideas as fer up the hierarchy as the Party'a Centraf Committee and the Russian inflitary edininiatrotion.

The publishers' assurance that Five Days is Inc publishers assurance that rive Days in Juna is "no political tract." gains substance through the dublous fortunes of its other moin figure, the stripper nicknamed Goodie Cesa, who is associated with a fair proportion Cesa, who is associated with a fair proportion of the novel's odmixture of sex, violence and death. Greatly assisted by concidence, sho also links tha action in East and Waat Berlin on a rather insignificant level, leaving the suspicion that har rola is to raduce the complastites of illvided Berlin to fictionally manageable dimensions.

Heym also aceks to counterect the novel's political sorinusness too mechanically through rumante sub-plots, with Wire's success here as an unnecessary final confirmances here as an unnecessary final confirmances.

cess here as an unnecessary final confirma-tion of his heroic status. On the other hand, the urgent dialogua which makes up a major part of the marrative is skilfaifly hondled, desoite the accasional obscuraties not present in the German edition.

Bocause this novel is e for more ombitiou work than its two prodecessors, it hese exposed Neym's limitations in the creation exposed Heym's limitations in the creation of character and in the structuring of o complex norrative. Yet it is a work of undeniable political importence, osniring towards the sociolist realism of Lukács's definition. The final, rhetonical chaoter of the Flue Days is little short of a manifesto for reform from within the Party (of which Heym is not a member), containing the pragnitude suggestion that the trade union structure should be revitalized as a bridge hetween the Party and the workers, rutter than the Party and the workers, rather than decline into an irrelovant "travel bureau".

The brief apliogue, from the perspective or Juna 1954, is herdly oncouraging: the fine phrasea from the recent Party congress, which preface the novel, have changed nothing, with Banggara promoted and the troublecome Witte cent off for theoretic guidance."

The final irooy is that Five Days in June was rejected for publication in the GDR late in 1974, showing Heym's over estimation of the finites of the new Kulturpolitik. The difficulties he met with over an appearing harmless story in a collection due to appear in 1975, emphesise the continuing suspicion with which ha is ragarded.

The further fact that Heym was one of the main signatories of the protest letter in the East Germon government over the expul-

the main aguarones of the protest letter the the East Germon govarnment over the expulsion of Wolf Blermonn in November 1976 will scarcaly improve his chantes of seeing the fruits of two dacades exparlence published there in the foreseeable future.

The author is lecturer in German at the New University of Ulster.

The Uses of Euchantment: The

Meaning and Impurtance of Fairy Tales

Read meanwhile . . . hony among

the shelves, as dogs in grasses
And find one care for
Everychild's diseases

Beginning: Once tipod o time there was

Sa Randall Jarrell on children's

hanks. The "cure" he envisages is, I suppose, the temporary imagina-

tive transcendence offered by the magic of the story. Hur for Brono Bettellieim, who is a practising

child analyst, fulry tales are indeed

a form of existential psychotherapy

and other themselves as almost in-

dispensable aids to the cure of the

Thames & Hudson, £6.50 ISHN 0-500-01162-X

NOTICE BOARD

fluance and Investment at Stirling Uni-versity, has been appointed professor of economies at the university.

Professer Cheogi Kue, previously personal professor in Strathclyde University's department of shiphuliding and naval architecture, is to be professor Visite and head of the department.

The Middle East Economic Digrat withch hos been published weekly for 20 years is to be put on microfiche. All past lasues will be filmed and future issues will be uvaliable on a subscription basis through Newstaper Archive Developments Ltd. a division of The Times. Further Information from Bruce Jeffcott, Newspaper Archive Developments, 16 Westcute Road, Reading RG3 2DF.

Periodicals en Wemen and Women's Rights series II are available nou bringing together a complete cellection of II diles en 35 aum microfilm. These include The Club IVounu. Equal Rights: Independent Feminist Weekly, The Progressive Women, The Wond Patriot (available from Greenwood Press Inc. SI Riverside Avenue, Westport CT 06880):

Design Courses in Britain a new edition for schuel leavers interested in spplying fer full-time courses in industrial design and reloted subjects. The liambeek gives basic information about design courses efferred at 186 colleges or departments of art and design in Greet Britain and Northern Ireland (ovallable from the Design Centre Beekshep, 28 Hayotarket, Loeden SWIY 4SU, £1).

Tibet is a new haur-joug documentary by Fellx Greene shot last similar. The film tells of the secial changes there since 1950 when the Chinese Communists entered Tibet what thoy censidered their rightful territury. It is available from Cantemporery Films Lid, 55 London WIV 6DR.

Topointments 12

Buck ingham

Lecturers: T. I. Balley, B. Berkovits Studies).
and V. A. R. B. Durand (law); Hilary
M. Tomilluson (modern languages).
Colleges

Visiting professor: Professor D. J. Morantz tehemistry).

Elverpoot
Finance officer: Mr Peter Gayward,
Senhir lecturers: I. Taylor (clinical,
surgery); W. D. George (clinical,
special apparationent, surgery). Letturer: A. C. Davidsun (clinical, abstetries and gynaecology). Demonstrator:
R. G. Cooke (pharmacology and theraneutics).

sporthcoming events

A symposium on learning skills of students and lecturers is being lield Joinly by the Society for Research into Higher Education and the Aston University onen lecture programme on February 23 in Aston's main building. Or Lourie Themes, director of the Contre for the Study of Human Learning at Brunel University, util speak on "Hew students use reading and listening"; Mr Graham Glinis, of the Opon University's Institute of Educationed Technology, will lead a workshop on "Learning about learning." Further information from Or Peter Jarman, Symposium Organizer, Aston University:

territury. It is available from Cantemporery Films Lid, 55 Greek Street, London WIV 60B.

City University has been uwarded a Sacial Science Research Council grand to develop research into international management education. It is to be suffered out by Miss July Lawe and slims to discover hew to prepare tomorrow's managers for their role in a European environment.

Split pussession and cestatic religion, a residential conference organization by Cetherine's, Cumberland Lodge and the Royal Anthropology 25-27. Speakers include in February 25-27. Speakers include i

Polytechnics |

Ulster Deans: Professor J. M. (PConnell (arts); Dr C. Wright (education), Head; of schools: A. M. Moon (administrative and professional studies); Dr W. R. Speace (social

Winchester

Head of department: Dr R. Richardson thistory). Seafor lecturers: Y. P. Muthard (sociology); Dr J. W. Parlour-fectourstles)

General.

Cieffefal.

EastAuglian Regional Advisory Council for Further Education: Mr. Janua McCotchean, at present senior assistant education officer to the Norfolk Council, lias been appointed secretary to the East Auglian Regional Advisory Council for Further Education with effect from May 1, 1977.

Welsh Landscapes by Paul Joyce is an exhibition being held et the Photographic Gallery, University of Southampton, from February 14-March 18, Paul

The Institute of Mathematics and its Applications is holding a symposium on "Recem Developments in Solar Energy" jointly with the Solar Energy Socioty of Ireland on February 17 at University College, Dublin, Among the speakers will be: Professor, A. C. Hordy of Newcasile upon Tyne dulversity and Dr H. tlasien of Trintly College, Dublin, Further details from the Secretary and Registrative Institute, Maithand Hause, Warrlor Squore, Southend on Sea, Essex SSI 2JY.

A symposium on learning skills of Students and Jectures Is being the internal investment of the professional industrial archaeology, supplied in the supplied of the profession and Industrial archaeology, supplied in the supplied in the

The Association for British Music will be presenting a roncert in St. John's United Reformed Climeth, Sundersel Road, New Burnet, on February 26. The programme will include the work of Hamlet, Ireland, Bach and Purcell, Further details from Mrs Estelie Stiles, Plat 11, 19 Hanson Street, London W11-7LN.

"Pompell: destruction of a lown", by Malerdon Collidge, reader in classes, westfield College, London; "New light on sacial change in Pompell: hy Martin Frederiksen, fellow of Worksetser College, Oxford; and in the willing in mysteries", hy Dr. John North, lecturer in ancient litsury, in the public lectures in a series on in the public lectures in a series on in the public lectures in a series on in in the public lectures in a series on in in the public lectures in a series on in in the public lectures in a series of the study of some rounner lat species of the study of som

Reffast
LLH: Sir Arthur Vice, for services to the university and to higher education.
HLH: Aliss iris Mordach, for distinction as a writer; Emeritus Professor and Durham Single Oxfold Alicebook Bridgers, for distinction as a writer; Emeritus Professor of Physics log a three-strict Mordach Si Anne's College, Oxfold Alicebook Bridgers, for distinction as an University and Durham since 1969.

HSc (pure science): Professor Markel | 111.fu : Emerkus Professe? HSc (pure science): Protessor masses Niculet, for distinction in numerometric obvoices.

High : marries rouse : tand, turnerly lead of & department of the United of the South West Blacket

MA: Miss Mully Dawson, for services Hull to the University us wurden of lithdel

Dundee

LLD: The Rt Hou the Earl of Efgin;
Mr George Mackar Brown, the Orkney poet and novelist; Sheriff John Christic, sheriff of Tayside Central and Fife, and member of Queen's College Council 1960-75; Sir Bayid Mont gomery, concener of the finance consultive of Tayside Regional Council And T. 40. Dougtas Marray, Mile, former convener of Augus Council chievally court 1970-74; Dr Rex Richards, FRS, formerly 15r former convener of clienthary, more warden of Merton College and vneuchancellus chert of the University of Oxford; the Very Roy Dr Bend Search and School of Economics, Mr Leonard Wolfson, day of founder trustee of the Laboratory for Research today, Professor Sir Gomerius professor and School of University of Libertow, Department of Juneau Laboratory of Connecticution communities and member of the university of the Government, Mrs. T. 40. Dougtas Murray, Mile. Including committee she in the University of Connecticution communities and member of the university of Connecticution communities and member of the university of the Government, Laboratory for Economics, Mr Leonard Wolfson, day of founder trustee of the Laboratory for Research today, Professor Sir Connecticution profess chancellar elect at the University of Dxford; the Very Rev Dr Baylo Steel.
formerly moderator of the general and Professor of Baylo Steel, formerly moderator of the general assembly of the Church of Scotland.

Director, Institute of Professor of Baylo Steel, MA: Councillor Jack Fraili an active worker in the Will

Durkan

HSr : Professor Cycl Car

Exeler

physics.

HSe (applied science): Professor Sir High Ford, for distinction in and services to mechanical engineering: Mr Michael Scott, for distinction us an architect.

HAIns: Dr Havelork Nelson, for services to music.

LLM: Mr Thomas Surgant, for services to law reform.

ALA A Michael Scott.

DSc (Econ): Professor &

ghild's must deop-sented disease: childhood itself. But we should remember that ence upon a time, in the flurk days before Wolt Disney, what ore muw called lairy stories were port uf n

heat pount project by Ot J. H. lan, Dr. R. Morgan and R. Minsay: £11,725 from the Bo of Commerce for research at of Commerce for research in important on two temperatures straightful and Industrial book of beat pump by the Malain, for the Morgan will Mortany; C4.25tt from the book Commerce towards the partition of the MSC course for condition.

Noticeboard is compa: by Patricia Santine and Pauline Gamble

e child to come to grips with his hordest problems in their most essential and vivid furm—problems of his own onlinality, hie longing for power, his forbidden desires, his senso of dangors from within and

me and, just a furle scarcal, one supposes. The rate just flow, and ted lests with Classical and Studern tit the apalyer's pattern even it we. Muslim Interpretations accept that it is "about" girls and by Helmit Galie

declares his horror of "camponary rate and overfidula (resair. He does not want parents to spell our the meanings of the stories they are telling; they much be left to work unconstioned. But, as the Riding Hand example shows, his own orethod turns the tales into a kind of psychoanalytic Hilaire Hellor, "Unconscious" morals are lelloc. "Unconscious" morels are morals all the same, He treats every tale as educational: they truck, inform, spell out, warn, even edify the listening rhild. Fairy tales are saved from the strictures of Mrs. Triumter by themselves becoming edifying. The "Hors of Euclimian and succinctly hormanic edifying. The "Hors of Euclimian edifying. The "Hors of Euclimian promittence in the title, has a sinister ring. Dues in not suggest a takenver-hild by Grudgi information for the heart of Rumanice? The sorreru's haps for the muchastian reader is to give an interession of the vasiness of heart of Rumunce? The surcern's workship is converted into a lleadination limited in the maintenance of public health.

pointedly" in e way which changes of child to come to grips with his come to grips with his service of the problems in their most essential and vivid furns—problems of his own onlinelity, hie longing for power, his forbidden desires, his senso of dangors from within and from without.

The stories chrocteristically bring their main charocters from bling their main charocters from without.

The stories chromotoristically bring their main charocters from bling their main charocters from the being the passes, being left at the end that the end the propose of the sound of the main the chrost manner with the survival ef primitive belief, the process of maturoton to see museum-ploces but end the survival ef primitive belief, the process of maturoton of the reality being the primitive

Exegesis The One and its Livery and Selectranslated and edited be Absent Webt Runtledge & Kegan Paul, £3,50 ISBN 0 7100 8327 0

several names of persons or places or events, and many of these are less common names, not mentioned in the usual introductory buoks about islom. Readers get some help from the hriel biographical notes in the index, and from the fournets, but if they really want to appreciate the toys they will have

scholars that this punishment was not practised in Muhammad's time and that the eccount of a "verse of stepling", sold to have been included in the Qur'an or one time but ofterwords emitted, was a later than the control of the cont though there is the occasional infelicity, end discrepancies between the Our'onle pessages in Arberry's translation and the subsequent commentery have not slweys been removed. At various peints, too, Dr Walch hes mode useful additions to the notes of the type tions to the notes of the type desiderated above; and he has else expanded end oundted the biblic-

Open University programmes February 12 to 18

SATURGAY REPLIARY 12

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Households Foundation Course: 1
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Introduction (MICO) prog (1)
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An introduction to the chiomistry of carbon compones: Rice Joseph (1)
An introduction to the chiomistry of the programme of the course of the Hastry of the Course of the Cour Ineir Mathemutics: What is Dimah. 5.30 12.30

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DYLAN THOMAS SUMMER SCHOOL

23-30 JULY, 1077' University College of Swensee Full tescile from E-ma-mural Studios 191. Borwick House. 8. Unional Tel-rocs S. auspa SA2 000 | Tel. Swanser 57(59). 1809-1939: What is Green, Political prog 1; Age of Revolutions: Political Procession of Revolutions prog 1; Revolutions of the Revolution of the R

Sunday February 13

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In the cours RADIO. 6.29

anids, Liquids and Noses: An intro-duction (87287; prog 0; ... ireginnal Analysis and Cavelopment-Dynamics of an Alfuent Ingion (D342; prog 1; Secial Psychology: Psychosoxual Illi-ferances: 1 10305; prog 1;

Wednesday February 16

Technology for Tenchers Case Slids: Project Mellod (71.1271 Prog 1: Projett Melhou : Clifars 1: 1521 : Prog t., 9.46 Integration and Normed Successive Property (Property of the Control of the C RAOIO 3 (VHF)

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MADIO 3 (VIF)

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O.46 Discourse (17-11 prog 1.

O.47 Discourse (17-11 prog 1.

O.48 Discourse (17-11 prog 1.

O.40 Discourse Saturday February 12

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74.00

the Use of Libraries—1 Open Forum—

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Tuesday February 15

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All Source of Seriely: Measuring memployment (D101 prog 1).

12 y February 15

An introduction to Majorials: X-tiny The Sociological Prog 1.

15.28 Introduction 15 Majorials: X-tiny The Sociological Prog 1.

16.45 Social Stellars: The Sociological Prog 1.

18.45 Social Stellars: The Use of Life Country The Sociological Prog 1.

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18.45 Social Stellars: The Use of Life Country The Use of Life Country The Use of Life Country The Social Stellars: The Use of Life Country The Use of Life Co

Theugh mone of the Remantles were very precise ebeut this meaning—Coleridgo, for exemple claimed that "they habituated his mind to the Vnst"—Bettelheim is more specific. For him, feiry tales are fables of identity, symbolic representations of a child's struggla with his own desires eod fears on the roed to adult saxuality and independence. Each tele displays en "existential dilemma brielly and pointedly" in a way which enables a child to come to grips with his lordest problems in their most

from without.

The stories chorocteristically bring their main charocters from situations of grin constriction to e bilissfully happy end, and this process is identified as the normal process of maturetion by Bettelbeim. The narretives are paradigms of growing up, a kind of Freudian Pligrin's Pregress, during which the child here overcomes odversories representing his own oral and Oadipel phases, being left at the end at the entreoce to the hely city of his own "higher humanity", the glorious goal of the process of individuation. The simpleton becomes a prince, the peasant girl a queen,

والمال القال ا

Once upon a time...

Much of what Bettelhein has m

before Well Diency, when are now called hirty nories were part of neoperary of popular talles, the coamon property of whole communities, and the property of the coamon property of whole communities, and the property of the coamon property of whole communities, and the property of the coamon property of whole communities, and the property of the pro

Now, Perrault recognized from the start that the story was abent sex. Itia "moral" made it into a warning to children ebent dirty old men. And when Dickena cleimed that Little Red Ridins-Hood wos his "childhood sweathart" he was clearly reveiling in the notion of binisalf es sexually wloked Big. Bnd Wolf preying on young inneconts. (Deré cuight the sexual element in the snory from tha other uogle: his cleims to the contrary, on either the the snory from tha other uogle: his more open secial and inneconts of the Maratan, it has increased works or much fuller notes. The toxis end notes on such matters es, abrogation herdly by themselves give a cleim to the contrary, on either the linity old predator, which shores her shaets.)

W. Montgomery Watt

The OU programme

that the odult education sphere— n direction already set by Miss Lee and her first plonning committee,

These ere much outwelghed by

its cansiderable achievements. By 1975 they had produced 15,000 gra-

duates at a cost (at 1973 prices) of E2,749 a student compared with E5,250 in orthodox universities. At the commercial level their activity is impressive. In 1975 they sold over ES00,000 worth of educational

materials, much to Anterita where 20 universities usa their currses.

The Victorians at the polls

The Politics of Oeference: A Study of the nild-ninetecotic by D. C. Moore Harvester Press, £15.50 ISBN 0 901759 0 74

with the starting point be be for the starting point be been at the starting

No doubt samewhere in the world there exists a reader to whom this will come with the lurce of a revelation and who will regard f15.50 as amoney well spent for such in sight. The rest of us will recall that Wafter Bugehot name deference the starting point lot his this cussion of the constitution in 1867.

passessed? As for the 1867 Art, we are assured on the one hand (page 265) that it theorems redirate and the first fills the first vice flavor that it the strong of the first flavor that it the first was designed to show down.

To Scould assumptions about the first it is morely accelerated the grown without a single cannot be assumptions about that it is morely accelerated the grown without a special banks and his determination to banks and his determination to make everything fit into that frames work leads to show the first to be no pall book with the first to be not book and his determination to make everything fit into that frames work leads to show the leads to some the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be to be as the first to be not be not be to be not be to be not be not be to be not be not be to be not be not be not be not be not be not be to be not be n

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Prefersor Mone's press proposed a wireless university but in higher educational technology and television and the comback perspective is no opportunity in higher education world which the proposed to be filled to fruition. There perspective has tended to be independent to adult who wished this world in which the world the world in which the world the world in which the properties of the standard on the world in which the properties of the crows and failores of the standard on the warlength of which the properties the the properties of the crows and failores of the standard on the warlength of which the properties the temporary concern for widening of the standard on the standard on the warlength of warlength of warlength of warlength of warlength of warlength of the properties of the standard on the standard on the warlength of the properties of the standard on the standard on the warlength of

The consider politically temporary concern for widening of book perspective is in opportunity in higher culucation world which the proper brought the idea to fruition. There the world in which he was o gap to be filled in the providual oor social ideas, wision for the adult who wholed quite os mambiguous guided study for a part-time degree. It is which, because social server, the fact that a group for which a perspective is important.

The fundamental wase scattless of the academic world fessor Moure's book by and the hostility of the Conservative was observable in his mid he hostility of the Conservative was observable in his mid he hostility of the Conservative was observable in his mid his properties.

The fundamental wase scant he hostility of the Conservative was observable in his mid his his fessor Walter Perry became vice-toguish between an ay chancellor in 1968 he had tactfully problem and the whole to disengage the university from the firential vating he that his position as Mr Wilson's hobby shire tells us something horse and to assert its ledgened Victorian pulltical scat ance. He lesisted on UGC rathor attempt to torture poll schan direct DES figance, appointed they reveal all that we set politically non-elligned senior is one that is doomed to officials and Mr Wilson was perflence, despite the worlst and not to announce Perry's game into this volume, repolation and not so political confine strains, a great definator.

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In his counting house for the professor of pharmacology and vice-prioripal of Edioburgh University and both he government of the same of the scottish assumptions about higher aducation accordingly loftuenced that artitudes of both to the new Open University. The general degree was consciously modalled on the standards of the Scottish ordinary Athlerson on the standards of the Scottish ordinary in the standards of the Scottish ordinary in the standards of the Scottish ordinary degree and he emphasized that one of their basic purposes "was provided in the labour marks."

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Scottish assumptions about higher advention accordingly loftuenced that artitudes of both to the new Open Was a strains, a great ski matter.

cions and conrageous leadership, Michael Sanderson

This is a heartening story of an

Reference & pamphlets

NFER register

Acound 2,200 entries are contained in the Register of Educational Research 1973-76 which covers the whole of the United Kingdom. Pub-Whole of the United Kingdom. Published at £12.00 ft is obtainable train NFER Publishing Company, 2 Jenning, Buildings, Thannes Avenue, Windsor, Berkshire.

Bibliographical

Harvester Press, la association with the Royal Illitarical Saciety, have published the first volume of a series under the general editurship of Professor G. R. Elton, Annual Hibtiography of Bettish wall Irish History: Publications of 1975 at \$10.00. From oow anwards a shall-lar volumes will appear in the Sectar valuate will appear in the Sep-tember of each year covering the previous year's publications.

Multilingual

Report of a Workshap on Middi-linguol Systems by Verna Hurshell, the latest British Library Research and Oevelopment Report, is avail-able at \$2.50 from the Heitish Library Lending Oivisian, Buston Spa, Wetherby, West Yarkshire LS23

Colloquium

One important poloter for the future emerges from Or Perry's book. He advocates an Open School on the same lines as the Open University providing pre-nolversity education especially in mathematics. Indeed he suggests that there was me eyen greater need for an Open School than for an Open University though he doubts if the former could have had the glamour to surviva politically. Modern Languages for the 1980s at the University of Sussex in September 1976 by the School of European Studies end the Centre for lofurnation on Language Teaching and Research. Edited by C. G. Bearne and C. V. James it is available from C1LT, 20 Carlton House Terrace, London SW1Y 5AP, at 50p.

Word research

Imaginetive concept loade so effec-tive force for good through tena-Language and Longuage Teaching: Current Research in Britain 1972.78 edited by Helen N. Luot, and published by Longman at £6.25 is a register of work to progress in Britain on language, lloguistics and lenguage teaching maintained at the Centre for Information on Language Toaching and Research.

Medieval Heresy

Popular Movements from Hogomil to Hus Malcolm Lambert

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Cominuity and Change Edited by Peter Sawyer

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Human Geography

A Welfnre Approach David M. Smith

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Analysis and Models

Louis Henry

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The Misself them Perv I and Second German Employee was more first and the best of present of the state of the

Percy Groinger Elch, £10.00 ISHN 0 236 40004 5

The external fects of Percy Grainher's life are straightforward, and a standard biographical entry would run romething like this. Bora mear Melbourne in 1882, Grainger showed early promise es a plenist. After a period of study in Frankfurt, where his fellow-students included Rager Quilt r and Balfour Gardiner, he estal ished himself as a leading society planist in Edwardian Loncon. Cuntact with Grieg stimulated his interest in folk music, and

oblivion.

His nussic reflects his personality was maided in the firmace of his relationship to the firmace of his relationship to his mother. Rose Grainger finully here, such the firmace of his relationship to his mother. Rose Grainger finully here, such the firmace of his relationship to his mother. Rose Grainger finully here, and orcengagments for wind band, with optional scoriogs; wind band, with optional scoriogs; experimental pieces and same large compositions, which have not attained the popularity of the shorter works.

None of this is actually wrong. But the image it presents of Grainger, second class, the firmace of his relationship to his mother. Rose Grainger finully and her brilliant but alcoholic out sphilitic husband when Percy was eight. John Grainger's only legacy to bla wife was the discuss which to be with a mean and same large compositions, which have not attained the emotions and consuming antitions and consuming antitions with an equally flerce, equally possessive affection. He admitted his reactionship to the wards of scandinavian literature, and the many difference of his relationship to his firmace of his relationship to his mother. Rose Grainger finally and the firmace of his relationship to his firmace of his relationship to his firmace of his relationship to his firmace of his relationship to the firmace of his relationship to his firmace of his relationship to other woman to usurp her place in the rank firmace of his firmace of his f

Grainger, the man and the musicion, is almost a complete distor-ion of the truth. The easual visitor to the Grainger Muscum in Malbourne at the time of his deuth would have formed a different and much more disturbing impression. In this musty, inhyrinthide, singlestorey brick building, designed and partially huilt by the composer himself, there was housed at extraordinary and apparently hapharand conglomeration of disparate objects.

Life-size duoumles of himself, his

wife, his mother; and his composing friends; childhood furniture, cluthing and toys; manuscripts and scores by Grainger, Delius, Grieg, Balfour, Gardiner, Cyrll Scott and nthers; a collection of riding whips; pointings by Percy and Ella Grahiger, Jelka Delhis and Jurques Emile Blanche; volumes af Icelandic sugas side by side with treatises on sexual

Mast of the exhibits were accompanied by legends, personal in tone, sometimes hectaring, sametimes unignout in their sense of futility ("the bulk of three works is not alive" — for music that is not beard is not alive and the bulk. lated his interest in folk music, and the vent on several collecting expeditions to Lincolnshire and Gloucesters live. It is discoveries inclined the song "Brigg Feir", later used by his friend Delius as the basis of all a chestral rhapsody. In 1914 he left for the United Sistes where he settled, becaming an American citizen in 1918. The rest of his life that devated to performance, conjuncting, camposition, teaching and experimenting with o device he called in Free Music Machine, intervals. He died at White Pluins, New Jersey, in 1961.

Grainger wos a layer of the authors of the limit of the lim



Stravinsky. He paintered modern

He was the first folk-soon colthe was the first folk-song col-lectur in thitain to use a recording device, Consequently be was able to transcribe with absolute tidelity the individual renderings of his singers, thus establishing an attitude and a standard that have been all too rarely matched since. His own falk some accompanions are constant. songs' prrangements are outstandlng, and some musicians (including Benjamin Britten) have said unsur-

There me teen main problems facing the freinner blagroupher. The first is the quantity and the being a property of the state mountain is sufficient assessed to the surpression of the s There are ten main problems facing the Grainger blugrapher. The first is the quantity and the biographical dispersal of the source material, which is scattered throughout the world, much of it in

Wagner

Poor, becoming poorer

Of German Musican Resources and Papalation: A Study edited by It. It Social the Gurangs of Nepal General Wolff, 1629 by Alan Macfarlane

1SBN 0 85496 4010 Cambridge University Press, 112.511

Of German Musical Rand Ownership in Nepal on uspects of Genathy M. C. Reginital volume as to University of California Press, £10.50 the theate and follow University of California Press, £10.50 is ent book, monograph, ISBN 0 520 02750 7 on German film will-

in due course, Perhagiepal is one of the most poverty-is sufficient reasonizative, anderdeveloped countries, on this faultar phend each day the mass of the people on this faultar phend each day the mass of the people

surveys and impressions confirm the generality of his findings, The econumic have of the mountain Guring communitie, in Nepal has changed from pastoralism to paddy cultivation and the expert of male labour within four generations. Macfarlane's thesis is that popula-tion growth is the main dynamic a system bilder with the political relite was able to utilize its political power to acquire an economic base in band ownership", and the state as "a centralized agricultural barosmeraty of a society that depends on ventral authority for extracting the economic surplus from the authority surplus that growth is the main dynamic determining not only these economic changes that also social and cultural relationships. The increasing rate of population growth, the destruction of the fragile mountain ecology, the last of any prospect for non-agricultural employment, and the declining opportunities for mercentary recruitment, all clearly indicate impending disaster.

Macfarlanc's study documents

The last chapters are most interesting to those wishing to understand conditions in Nepal and they are also the most tantalizing. At one point Regall quotes Myrdal with approval to expinin that is most underdeveloped countries land and tenancy reforms have been a sham except when carried out in a recolutionary situation. He goes on however to suggest that land reform can transform a rural society. The land reform programme in Nepal launched in the early 1960s to widen the popular support for the pulitical system, and to provide the lastinational licentives for expanding agricultural development has clearly failed in light purposes. The only beneficionies are the upper rural classes.

ily focusing solely an land tenure institutions Regml has exaggerated their role in determining sucioeconomic change and continues to believe that the right scheme could still tronsform Nepal's rural suciety. What is needed is to show why an "agrarian revolution cannot simply be legislated into being ", and to anolyse how an exploitative land tenure system reflects an underdeveloped economy and not vice developed economy and

An ageing classic

Previous cersions of this well-known university textbook appeared in 1963. The publisher claims that the book has been thoroughly revised and apdated, but a comparison with the earlier editions. On the latter topics the additions are searcely hears this unt. A certain decising while the section on hidu-

the energing doubting to favour the energing doubting of the mass of the personner. Regain describes the political structure as a system under which the political edition to the political edition that the political edition the energing doubt against the interests of the mass of the personner. Regain describes the political edition to the political edition of the absence of the a

carcely lears this unt. A certain annount of rearrangement has accurred and a little new material has appeared. However, it is extremely difficult to flud enything which has been discurded shaec the first edition, so that judging the baak is reduced to commenting an the extent to which the first edition has dated in 25 yesrs.

The ritle appears to refar back to the old "heat, light and sound" division of subject motter within physics but this is ulmost emulately at variance with Professor Dichlum's broadly based upproach which, tugether with his concern for clear and simple expositions of physical theory is a great strength, and one which the pussage of time climan eride. Conversely, though, there are a number of items of pare.

M. E. Barnett

Among this week's reviewers

Basil Denne is prafessor af music at the University of Manchester;
John Curnon, professor of listary at the University of Newcastic upon Tyne, is unline af Parliamentary Reform 1640-1832;
David Feldman, author of Social Relations and Agricultural Pruduction in Nepal's Terai, is fecturer in development studies at the University of Sussex;
A. J. llyder, reoder in listory at Si Duvid's College, Lampeter, is author of The German Revolution 1918-19; Michael Sandersan is scalor locinter in ceanantle and social history at the University of Eust Anglia.

Methodology of the methodologists

programmes rather than thearies. At the centre is the "laurd core"—that set of suppositions without which the pragramme would disintegrate. This is necompanied by a "positive heuristic"—a nor of manual far the operation of the programme—and a "negative heuristic" which warns of what not ta do if the hard core is to be preserved. Kuhn, by contrast, noted irratinnal aspects in the beliaviour of sclentists that sometimes retarded arderly progress and necessitated occasional scientific revalutions.

The contributors have produced material af great interest, though they have reached no consensua. The theories of which economic thaught is composed arc subjected to powerful crisicism, so that the problem because ona of explaining not their orderly pragress but continued and strength or orderly progress but continued and strength orderly p

and the pasoage of time in human affairs."

One would heve thought that the Lakatosian resoarch programmes are due far a Kuhalan ravolution—but what form will the new economies take? There is emphasis on the need to call in psychology (real psychology, that is, not the clockwork psychology of economic man) and Simoa demonstrates how this may be (and is being) done, while the coats refers to evidence of resoarch new beginning into neglected topica. Hicks's paper, at the end of the book, comes as a balm for any orthodox oconomist who may have had his feelings bruised by what

Education and the Urban Crisis

Based on two Gulbenkian conferences, Education and the Urbon Crisis explares the current trends in laner city areas in the United Kingdom and examines the part to be played by education in reversing those trends of decay and disarder. However, the key argument of the book is that povorty is at the core of the contemporary urban and educational crises and ir is this that should be the paramount concern of social policy.

£3.50, paper £1.75

Talcott Parsons and the Social Image of Man

This lucid secount of Porsons's work looks critically but aympathetically at his basic cancepts and their interrela-tion. The two major strands which run throughout the work are exumined separately—his social action theory and his systams theory (orractural-functionalism).

Contemporary Aspects of Philosophy. EDITED BY GILBERT RYLE

Cont-butions to the Oxford Julernational Symposium hald at Christ Chilrch College in 1975 are here callected to bring together the current work af philosophors in mony, countries. Assembling or it does most of the growing points of modern philosophical thought, the book should be of value ant only to the prafessional student of philosophy but olso to all those who are concerned with the impact of philosophy upon other disciplines. Orief Press 18:00

Centrality and Cities * JAMES BIRD

Profassor Bird synthesizes the many opproaches to the study of a central foature of modern life—tho city, lucitiding its distant past and its future. Ho sees centrality as a mental projection on to space, and this leads to extended discussion of the origin of contres that develop into cities, the evolution of their central orees, and tho contrast between centres and paripherles.

* Inspuetion copies available an request to Braulwhy House, Newtown Road, Henley-on-Thames, Oxon RG9 IEN 39 Storo Street, London W.C.1

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nopellurity of the shorter works.

None of the its actually processes of the state of the state

David Lardi and they contain institute most 500 of Brecht's Port

Classified Advertisements

Schools and industry

Sir,-The ropeeted calls by eminent people, including the Secretary of State for Education herself, for a closer relationship between schools

State for Education herself, for a closer relationship between schools and industry requires critical examination. Of course, like motherhood, no one can be opposed to it. But we should define exoctly how this relationship can be dovoloped without choughog the schools into outside specifism. It is lingued, inverver, there is will encourage portation courses.

At Sunderland Polytechnic we have designed three new four-year hood, no one can be opposed to it. But we should define exoctly how without choughog the schools into vocatione training centree and how we can provide the teachers who can develop this relationship in on Eirat of all, I presume that it is mainly the secondary curriculum shey are discussing. Second, I presume that it is the understanding same operation of the nature of the world of work in its social, economic and technological centers their they ere discussing. We can also nate established to the proposal BEd for specialist toachers of business studies of the sunderstanding the social reinfluence of industry and business itself is not enough.

The audents will not only gain this experience but: will be torganized business itself is not enough.

The audents will not only gain this experience but: will be torganized to design and teach these condary develop the obility in relaturation less." The proposals for change in the secondary curriculum without dismitting the sundy prepared and supervised to dismit they experience but: will be torganized to design and teach these condary develop the obility in relaturation less." The proposals for change in the secondary curriculum without dismitting the sundy prepared and supervised to distinct the proposal BEd for specialist to achieve of business studies of the proposal BEd for specialist to achieve of business studies of the proposal BEd for specialist to achieve of business title is not enough.

The audents will not only gain this experience but: will be torganized and supervised to ensure that they old subject the proposal subject to the subject of

secondary school currental to the 13-18 oge group.

Then the problem is how do we find teochers who have the knowledge ond experience of industry or commerce to design and teoch these changes in the secondery curricularity. ledge ond experience of Industry or commerce to design and teoch these chenges in the secondery curriculum and yet mointain the easontial educational nature of schools. We have recruited meture entrants to teecher-education who have this knowledge and experience and wo must cootinuo to make evary effort or recruit them. However, as two A levels become the normal entry requirement end leacher unamplovement continues their muothers will probably diminial.

At the same time, the release of this kind of occupational placement, however, depends upon special expertise and the fortunate that, in a polytechnic, or ronge of inculties, including out business studios, can supply in walled lielp in planning, arranging, preparing ond supervising these opposite them many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. This fact does suggest that many polytechnics are wall placements. educational nature of schools. We have recruited meture entrants to teecher-education who have this knowledge and experience and wo must continuo tu make evary effort to recruit them. However, as two A levels become the normal entry regulrement end leacher unsniployment continues their mumbers will probably diminial.

At the same time, the release of existing teechers to geln this experience is likely to be very limited.

Thersfors, we must try to ensure that as many as possible of the next generotion of secondary teachers include industrial or commercial expetionce in their tsucher-education courses

en its success ur otherwise in achieving its steted objectives rether than in achieving objectives, nowever interesting or praiseworthy,

tion courses.

Fugebnere Close Herbnino, Birmingham,

The first workshop is somewhat I traditional in that it will focus on a management teaching methods and use outside specialists. It is haped, however, that it will encourage participants to form an informal net-

have only nine mombors out of 37 on the Council. It should also be borna in mind sity.

helpad towards a widar and dospar WILLIAM STORBS, helpad towards a widar and dosper view of the world was one of the best educational ideas of the post-war period. R should not be allowed to die, either by boing killed Waldstone College of Art.

Jember of Sennte, London Univer-

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J. STEWART COOK.

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A levels become the powers, as two requirements on the powers, as two ment continues the property design to be property of the problem of Life.

The Problem of Life '

The Problem of

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our present understending.

I em surprised, thorefore, that
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1976), criticizes the book for systesanctically concentrating on those
aspects of past thought which heve
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This was procisely what I sate
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most enlightened colleges, this is defence of liberal studies in defence of liberal studies in

Racial variation in aptitudes

Sir—A in magazine transport to the properties of the through self-licly.

Later this year, the Scottish Business School wild my to put this idea into practice by running un experimental one-week workshop in Glasgaw for management trainers and tsachers. The objective is to provide a contact point for those interested in their own development, and to offer a base from which thesa people can arganize their awar learning and holp develop une uncoder.

The Government was creating the faults and averloading at moistance of the polytechnics of general centres of the same introduction of a could only have been carried through by: establishing all RMCs in pulytechnics, which would have been carried through by: establishing all RMCs in pulytechnics, which would have been carried through by: establishing all RMCs in pulytechnics of the original idea on management edocution in pulytechnics of the original idea on the same introduction of a management trainers in pulytechnics of the original idea on the objective is to been unfair to many first-class institutions; or wrenching while departs on the could only have been carried through by: establishing all RMCs in pulytechnics of the original idea on the original idea on the original idea on the original idea of the original idea of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of general centres of faults and everloading all RMCs in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of general centres of faults and everloading all RMCs in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of the original idea or management trainers in pulytechnics of the origin

Pailing that, the only solution, if RMCs were thought to be desicable, was the adoption of a policy of co-ordination rather than control, which an image course, the properties of mange come round to. Much friction social science, wunted have been avoided if this had Oxford Polytechnic.

Yours faithfully,

C. A. HORN,

de presible asarpaia

rations "

that the Landau University convectation represents the only "lay" element up the Senate which is the supreme "neadentic authority. This is not the case with the Senates of most other universities, where the governing budy is, in practice, the Council. And, in oll cases, tho teachers have a lower representation than is accorded to them in the present Landou Senate and in the heing proposed. "Lay" menuality places to his up to the present the dear majority.

The indvantage of ranguaction there is the competited with the competitive places wares one

The advantage of ranguaction (com) subject to subject #2 The indvantage of ranguagation representation in Landon is that it is wholly democratic, that its meanings are people who hold know samething about the indversity and, as graduates, have its interests at heart. It is noticeable that the narrow and outmoded views of the Landon AIT numbers are not shared by any of the teachers what have been elected to the Schame.

Yours faithfully.

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EDUCATION
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28 Pah., 1977. requireminites for study with procede concerned.

Applications are invited for the post of Secretary to success the present Secretary who is the present of the p

Yours faithfully, D. P. BENTON, the partment of chemistry University of Surrer

More letters

Applications are incited from could dies who are qualified to teach in Medieval (Listory, Preference may be given to candidatees whose principal laterest is in rarly medieval period.

15 Merch, 1977.

AUSTRALIA

Applications are invited for the following pears, for which applications close on the daiss shown. SALARIES (unless afterwise stated) are as follows: Professor IA29,827; Senior Lecturer SAIS,785; \$A22,018; Lecturer SAIS,485-3A18,388. Further desials, sonditions of appointment for sech post, method of application and application form, where applicable, may be obtained from the 'Association (Appli), 35 Oorden Squers, London WC1N OPF.

New South-Welsa CHAIR OF ACCOUNTANCY

Ryan. 31st May, 1977.

Monash University Melbourne LECTURER IN

EDUCATION

PHILOSOPHY OF

University of London ..

INSTITUTE OF PSYCHIATRY

SECRETARY

The incition of Psychlary is the Jergent Incition in the Orllinh Post-Graduals Modical Fadera-100n: Il has a said of 365 and a lotel hudget of £2,500,000. Pravious administrative experience is essential and pravious experience of University administration highly desirable.

Application forms and turther de-ising can be obtained from the Osen's Olitics, Institute of Psy-chiatry, Os Creapigny Park, Bon-mark Hill, London SES RAF, or leighness 01-705 5411, ox. 127, Quoling reterance JLTR/THEG. The closing date for applications [15] March, 1877.

ACCOUNTANCY

Robbol of Accountency
Applications are irreled for
appointment to the abovementionized chair which will
become vacant following the
politement of Professor W. J

McK. Steator in 1977. Unfor
equies on the School are brid
by Professor C. H. P.

Brookes, A. S. Carrington,
R. Ma, R.C. Obson and J. L.

Rysh.

LECTURER IN HISTORY Applications are invited from candidates who are qualified to leach for Assertions History. Preference maybe giron to candidates whose principal research interests are not lettle colonial period.

15 Murch, 1917.

Macquerie University SENIOR LECTURER/ LECTURER IN LAW

LECTURER IN LAW
school of Law commenced
teaching full-rine and external
southers in March, 1945.
The angeorabil applicant will
be required to take part in the
plenning and teaching of
commercial law courses. The
passes to be appointed should
have an interest in commercial
law. 25 March, 1917.

University of Adeleide LECTURER IN ANTHROPOLOGY ANI THOPOLOGY

(Rel. 7.2)
The 1 returer, who strends
have penatal expertise in
Anthropology/Soolology with
major fieldwinth experience in
stindara urban communities,
will be expected to engage in
usban research in Australia
and to pusticipate to the
Department's teaching
programmes unlably in
urban/zetten.

11 March, 1977.

LECTURER IN **PATHOLOGY** PATHOLOGY
[Rot, 7.8]
The Department of Pathology
Is located partly in the University
Medical School and partly in
the Division of Tissue Pathology
of the adjacent institute of
Medical and Velerithery Science.
The Division has excellent
institutes for research and also
in service work in surgical and
necropsy pathology in the
institute. irearonsy pathologinations.

Il Morch, 1977.

UNIVERSITY OF TECHNOLOGY

LECTURER IN COMPUTING

Applicatione ere invited for the poet of LECTURER in the Dapertment of Computer Biudies. An Interesting Inlormetion - processing ence would be preferred. Salery within scele: £3,333-£8,655. Poetoetd tsqueeta lor lur-

iher delells end application Jonne to Peul Johnson, Establishment Officer, rel. ent Ollicer, rel. 77/09CS.

t eughboraugh

Appointments wanted Other classifications Awards Announcements **Exhibitions** For Sale and Wanted Courses Holidays and Accommodation



AND SCOTLAND

Stall Tulous ore concerned with laterial respects of the University foundation and higher level courses. Many duties inclinds, heleon with members of control scadenic stall involved in writing and explaning courses, estistance to the floguest Director in the appointment, training and supervision of part-time laters, limited in study control seal obsching at residential business Schools as required. These will be a considerable critical of evening work and travel

and travel

The successful candidates will be specialled to the Faculty, but will be better in the Northern Ireland Regional Office in Bollast and Ine Scotlish Regional Office in Bollast and Ine Scotlish Regional Office in Bollast and Ine Scotlish Regional Office in Bollast Regional Office in Applicants chanted be honoure graduates and probably have had a operience of tooching at University level. Attangements might be made in smillable cases for considering in Scotland or to take tooks of absence from their preschi pasts. Salary will be at a point appropriate to the accreasint candidates' qualifications and registers on the inconcentral scotler to 233-26,855 per annum. Application forms and further particulars can be obtained (by pastured toques), please, sisting sender's neme and addises end whither opplying for weeney in Northern Iraland or Scottand) from The Passonasi Manager (873). The Open University, P.O. Bos 70, Wallon Hall, Millen Keynes, MX7 6AL, or telephone Millen Keynes 2008.

Closing data for applications : 26th Fobruary, 1977.

UNIVERSITY OF GUYANA Vacancy—Faculty of Education

PROFESSOR or SENIOR LECTURER in Educational Psychology

Applicants must have a higher degree preferably a declerate in Educational Psychology with specialization in Social Psychology and produce evidence of research and publication in the field. University experience would

Salary Scales (par ennum) U.S. \$1 equals G\$2.SS Professor-UA1: G\$15,480,00 hy \$600 to G\$22,690 Senior Lacturer-UA2: G\$12,360 by \$640 to G\$19,300 Benefita Include housing allowence, contributory medical and pansion achemec. Anyone rectuited from oversees will receive up to four aconomy eir passages (i.e. for himself, wile and unmarriad children up to eighteen years of egg from point of recruitment, limited removal expenses and a aetiling-in efforance.

penaes and e actining-in encounted.

Applications (3 copies) stelling name, date of birth, meritel status, quelifications and detes obtained, work experience (with detes), names and addresses of three releases (one of the referees must be your obsent or last employet where appropriors), must reach the Reference of the Reference

THE UNIVERSITY THE UNIVERSITY OCHARIMENT OF COMMUNITY MEDICING DEPARTMENT OF PHYBICAL Applications ore invited for the posts of RESTANC ASSISTANT and DESKARC FLUOW IN THE MEAN TO THE POST OF THE POST nesealith PELLOWSHIP The persons appointed will carry out-research on a wide front in linelin economics but of a second property in health occomings.

A Physical Maistimptal/Chemist is required to tryests and in mortamism in relevant in the formation of this gaid in mortamism of the gaid of the formation of this gaid of mine of a maistre of oxtanger of the mine of cattering of the mine and major of oxtanger of the cattering to the mine of the cattering of the cattering the cattering of the cattering the cattering of the cattering the catte

University of Juba Southern Sudan

Typing and Duplicating

Staff Appointments from September 1977

This now acreershy will admit its hist stadents in Sup-lember, 1977. It is an institution in a changly develop-mental mould, established in November, 1975, to cater especially for the needs of the Southern Region of the sudmin end for the reral sector generally. The University is to open on the premises of the Juba Girl's School end eventually will incorporate a new earnpus at Belin-yang, across the Nile Irom Juba town.

A modest start will be made in September in each of the three colleges of the University: a College of Natural Recources and Environmental Studies, a College of Education and a College of Societ and Economic Studies. A College of Adult Educellon and Training to planned. The University will be seeking to make a small numbor of epople ments for September within the reason of disclain as eppointments for September within the range of disciplines to be taught in the beste courses.

If you are interested in one of the fen senior posts likely to be evellable to expatriates, please contact the inter-University Council, 90/91 Totlenham Court Road, London, WIP ODT, Irom whom additional information is



UNIVERSITY OF DUBLIN Trinity College

CHAIR OF MEDIEVAL AND RENAISSANCE ENGLISH LITERATURE

Applications are invited for appointment to this new Cheir. It is hoped that the first holder will be a specialist in the field of Renelsaerica English

Persons interested should write for further particulers The Sacrefery, Trinity College, Dublin 2, to whom epplicellons should be sent, praisiebly before 14th Merch, 1977.

UNIVERSITY OF THE WEST INDIES-TRINIDAD

Applications are invited for the

PROFESSOR OF AGRICULTURAL **ECONOMICS AND FARM** MANAGEMENT In the FACULTY OF **AGRICULTURE**

prelevably with Interest in Quarti lative Analysis and/or Agriculture Dovelopment. Interest in other areas at Aglichturel Economics will be geneldored. SALARY SCALES:

1078/77 TT\$34, 157-42.308 p.e. 1977/70 TT\$38,728-45,465 p.e. 161 alorling = 1754.12) FSSU. Unfurnished secemmoda-lion if synlights at 10% or lur-nished at 124% or housing ellow-snee el 20% of ponetoushe salary. Up to tive tull accommy pessages on appointment and en narmel termination. Study end Travel Gront. Detelled epplication neuling these (3) refersos le Secretny, VVII, SI. Augustine. Trinidad. Oglelle of post eept all applicante.

ABERYSTWYTH THE UNIVERSITY COLLEGE CEONOMICS

BIRMINGHALL UNIVERSITY OF ASTON

OEPANTALENT OP ELECTRICAL

SUNIOR LECTURER IN

Applications for the above past are invited from persons with reperions is madern whether in the past of the past Bolary Scale: 86,443 It 87,1751 per entur. Apnoini irrale are normally inade to the lirst point of the scale. Application forms and further periculing are abiolable from the State of the State



Universities continued

LEEDS

THE UNIVERSITY

DEPARTMENT OF RUSSIAN

Applications are invited for the post of temporary t.E.C. TUREN is the above department, for 1st 1uty. 1727. Sandstates should have on excellent command of the Russian Language.

Balary on the scale £3.53.3 to 10,000.

Application terms and fur-her particulars may be ab-lating from the Registrar. The tapper the Leads 1.52 are, gooding Alexandra for spel-ations 28th February, 1997.

THE UNIVERSITY

Universities continued

UNIVERSITY OF

BOTSWANA AND SWAZILAND (UNIVERSITY GOLLEGE OF SWAZILANDI

Applications are invited for totals. 1. LECTURER/ASSISTANT

HATALMATICS In tosci Mathemetics Survey of Courses to Economics, Considered and Social Science studes to on the Knetheent Campus in Swaziand. Applicants should hold a masser degree is Economics or Sistestica with Methemetics us a subsidiary subject, or a master a degree in Mathemetics. Candidetes are expected to have traching experience profession for succession in the application of Mathemetics in the application of Mathemetics in the application of Mathemetics to Economics, Commerce and Secint Sciences would be highly desirable.

LECTURER IN

2. LECTURER IN STATISTICS. A nucler's degree in Stellatics or related subject such as Economics with Statistics as the second noisest. Candidate are expected to leve some leaching experience os well as cessaich ability or practical knowledge of the statistical profesen of developing countries. A special inferret in Economic Stellates and/or Survey Molkode waute be desirable. Economic Stolletics and/or Survey Mothode would be dealrable.

ASIC SALANY SCALE: [Salary Scales and Conditions of Bervice one currently under raviow! Locing and selection of Service one currently under raviow! Locing E1,924-E5,378 p.a. Assistant Locing and Service of Service States and Locing and Service Ser

UNIVERSITY OF BOTSWANA AND SWAZILAND

(UNIVERSITY COLLEGE OF SWAZILAND) Applications are invited for post of

LECTURER IN EDUCATION (Psychology)

Candidates should have a Mastor's Cegree is the Psychology of Ediration. In addition they should have research experience and by able to supervise end assist candidates doing Sonior Degrees in Education. Experience in Careor Outdence will be a raceamendalion.

GASIC SALARY SCALE: (Setary Scales eed Condition of Service are currently under tovisw). E3,824-E5,378 p.s. [c] saring = E1.69. The British Gigueroment may supplement salary in temps \$1,844-E2,058 p.s. [aterling] for a merriad appointer or E84-C1,254 (signification) for a single appointer or Conductor (signification) for a decidation of the conductor of t

ot twe, four or all years for expatriates. A dietably aquivaidnt to 25%, basic select let and to 25%, basic select let an ontroct sprine. 18% in a controct spring allowance of 9% pleasing satery or accommodation of reasonably tental. Education altoneous payable to experimina members di staff, tree ordinary stadical sitentian vaculton save, travelling altowance on appointment and on dompletion of controct.

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Describe a policationa (9 controct

THE UNIVERSITY OF PAPUA NEW GUINEA (PORT MORESBY)

Applie dions are inclined for the

SENIOR TUTOR GRADE 1/LECTURER **GRADE 2 IN ENGLISH AS A SECOND LANGUAGE**

The apportus will be roquited to pruduce materials for and leach general Servicu English courses for shipdents at Prefiminary Year end First Year lovels leach general First Year lovels leach will also be roquited to direct the production of materials Lyr Individualised study using a range of outlook of the production of materials Lyr Individualised study using a range of outlooking of the production of materials Lyr Individualised study using a range of outlooking qualifications. Individualised the locality of the locali

UNIVERSITY OF

KHARTOUM

SUDAN

Applications are fivited for the following posts in the DEPART MENT OF CHEMISTRY:

LECTURER in Physical Chemistry: Electro Chomi-

siry. LECTURER in Anslytical

Solary ecale: \$81,800-£82,400
p.s. (Ct sering equals £\$0.59).
The Oilider Covernment is untilogist provide supplementation for Instan poste. Family passecus: various allowances, subprantus-lion scheme; natual ovocées leave.

Detailed applications (2 copies), including a curriculum vites and saming 3 rolezaes, should be sent by airmail, not leiter than 28 February, 1877, ta the Percental Secretary, 1877, ta the Percental Secretary, 1877, the left of the secretary in the secretary in

ze Fobjuary, 1877, ta the Per-concul Scorolary, University of Khertoum, P.O. Box 391, Kher-toum, Sudae. Applicants tesidont in the U.K. should also send 1 copy to inter-University Council, 00/91 Tottenham Court Rodd, London, WIP 00T. Further pw-ficulam may be obtoined from either address.

LECTURER Chemistry:

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Osiniled applications [3 copies]
Instuding a surficulum vites end
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sont not laier then 11th March,
1877, to the Registrar, University
College of Ewaziland, Private
Std. Kwelusent, Swaziland, Applicents resident in the UK should
also cond 1 capy to the inforUniversity Council, 90/91 Tottentian Cauri Road, Landon, WIP
OOT.

KHARTOUM

Applications are invited for life following posts in the DEPART-MENT OF MATHEMATICS: PROFESSORS In Applied Mathemetics and Pure Methamelice or Statistics SENIOR LECTURERS/ LECTURERS In Sisilelica, Numerical Analysis of Applied Mathometics'

Applicants must have high scada-mic qualifications and a number of yours leaching and research experience

Balary aculas: Prolassor £84,138
p.a. Banior Lecturer £82,485.
£83,000 p.a. Lecturer £81,600.
£80,59), The Grillah Osvernment tsu.59). The Grillah Oavernmant inay aupplement saleriae in trange £2.982-£3.658 p.e. istorling) for married appointeas or £1.410-£1,080 p.e. istorling) for single appaintoas (ourmeily troa of ell las and usuelly reviewed sanuality) and provide childras's education allowatoca and holiday vielt passages. Ferrily passages; various allowances; superannualion scheme; annual overseas leave.

UNIVERSITY OF STRATHCLYDE

POSTDOCTORAL RESEARCH ASSISTANTSHIP IN the DVPARTMENT OF NATURAL PHILOSOPHY

NATURAL PRILLOSOPHY
The work is concerted with the development and use of optical dispositio techniques for the study of consideration of the study of factories of the study of factories of the study in the study of the study in the study of the study in the study of the study

UNIVERSITY OF **BOTSWANA AND** SWAZILAND

(UNIVERSITY COLLEGE OF SWAZILANO)

LECTURER IN EDUCATION GEOGRAPHY and HISTORY

GEOGRAPHY and HISTORY

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UNIVERSITY OF

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Detelled epplications (2 copies),
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28 February, 1977, to the Personnel Scorstary, University of
Khartoum, P.O. Box 321, Kharloum, Sudan. Applicate resident
ie U.K. should also aand 1 copy
to Inter-Usiversity Couculi, 90/91
Tottonham Couri Read, Londoe,
WIP ODT. Further parliculem may
be ableloud fram elihor addrese.

UNIVERSITY OF CAPE TOWN

SENIOR LECTURER IN CHEMICAL ENGINEERING

Applications are invited for the above and; vacant as from lat June 1977. Appointment, according to qualifications and experience, will be made no the alarty scale Rt 460 a R160-R9,990 a R450-R11,250 per sunten, plus a puniturable allowance of 10 per cont, of basic salary. Applicants should prefemily have experience and injected in Chemical Engineering Design.

Candidates should submit a curriculum vitue, stelling present salary, when available if appointed, and the asmes and addresses of three refusers. Acuresous a three returees,
Memorande concerning the jostdon and general conditions of
antice alroad the rebusined from
the Registrary Robin (Unicosity
of Capa fews, Private Sag,
Rositebosch 1760, by whom
ophicalions must be received not
late than Mil. April 1977.

UNIVERSITY OF THE WEST INDIES Cave IIII Campus Barbados

Applications or invited for the following posts in the in-Service of the following posts in the in-Service of the Cave Hill Campus at the University of the West Indies, Barbados

(1) LECTURER IN THE TEACHING OF MATHEMATICS

The ability to seem with foundation Studies and/or Tast Canatruction and Measurement will be an easel.

(2) LECTURER IN THE TEACHING OF MODERN LANGUAGES

Seel.

Oulos to be essumed by Soptember I, 1977, far post (1) ead as eon as passible end not laier than August I, 1977, far post (2). The appointments are to July 31, 1879. In the first inslence. Salary acale [from August I, 1977): Leaiurer: Sdasts-071 x 594-24,435 [Berl x 094-29,799. [51 sterling=8ds53,43]. Point of entity delerminad by quelificatione and experience. F.S.S.U. Uniurished accommodation for the duration of these appointments will be let by the University at erando of 19% of salary. A housing ellowance of 19% of housing ellowance of 19% of housing ellowance of 19% of selary. A housing ellowance of 19% of selary in payable to salar who make their own housing errangements. Up to five full pesseggs on appointment ond or narmal femiliar. send one copy to inter-University Council, 90/81 Toltenham Court Road, London WIP COTT Furiher particularo mey be obteined from either eddress.

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UNIVERSITY OF ZAMBIA

pplications are invited for SENIOR RESEARCH FELLOW RESEARCH FELLOW (Sociology) in the INSTITUTE FOR AFRICAN STUDIES

AFRICAN STUDIES

The eppolyton must have specialist qualifications in Sociology, will be appointed as Research reference will be given to applicate the second separate with substending the separate second separate with substending the second separate second secon

CAMERIDOE THE UNIVERBITY PROFESSORSHIP OF MEOLEVAL INSTOLLY

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CAMBRIDGE : MACDATENE AND QUEONS, The College process to make a joint leaching sensiniment in PURE MATTIEMATICS from Optober 1, 1977 Further particulors may be obtained from the Proglem & Becretary. Queens College, Cambridge CH3 VET. Applications sliculd be sub-thined by March 1 1977, and should include u surjoined of quelifications and experience and the names of two referace.

UNIVERSITY OF **KHARTOUM**

THE TIMES HIGHER EDUCATION SUPPLEMENT 1127

CARDIFF

UNIVERSITY COLLECT

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THE INIVERSITY

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EAST ANGLIA

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THE UNIVERSITY

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HONG KOND

THE UNIVERSITY

SUDAN ions ere invited for

PROFESSOR IN THE HYDROBIOLOGICAL RESEARCH UNIT

n Fishary Siology, slock easoas-neni and liah-populetion dynnm ca. Appliaenis nuel heve high codemio qunilificellons end o uniber al yeera leoching and easerch experjence.

Selary, £94,135 p.e. | £1 elarling equals £98.59). The Grilleh Government mey supplement safery by £2.982 p.s. (sterling) for merriad appointee or £1.419 p.s. | isterling) for single appointee (normally line of all tax and usually raviewed annually) and provide children's education elfowences and holidey visit possages £5mily passages; various allowences; superanuallan scheme; annual overseos leves. Celebrate the control oversects the copies. Including a curriculum visite and nemino libres releases, should be sent by nirmall, not later than Fobruary 28, 1077, to the Parsonnel Secretary, University of Khertoum, P.O. 60, 221, Khartoum, Suden. Applicants resident in U.K. should stace and proceed the control of the con

UNIVERSITY OF KHARTOUM SUDAN

Applications are invited for the following poets in the FACULTY OF EQUENTION: Department of English: LECTURER in the Use of Language Laboratories LECTURER in the teac ing of English Liters Department of Malhem

CAMBRIDGE

CAMONIQUE INSTITUTE OF

Applications are invited from sulfably experienced and quotined most and women for the post of TUTOR in the sulfable of CHILDREN with LOARNING DIFFICULTIES.

The post becomes vecant on the redirement of Mrs. R. Covereux at the nid of the academic year and involves teaching on the fine courses loading to the institute's Advanced Diptomo in Educational Studies, Salory in the Inne Property of the Property of the

Puritar particulars from the Secrolary, Cambridge Institute of Separation, Shartesbury Rosa, Cambridge Cilla 30X, 10 whom spelication terms should be rollered by 28th February, 1077.

OANADA L'UNIVERSITE DE MONCTON

PACULTY for its new LAW

Date of appointment July 1st. 1978. Interviewe of applicants could be bald in London, England.

Bubmil your application and curriculum vites to ten can callett. President Université de Moncion. N.B. Canado EtA 559.

CANADA .

Acquiar full-img annominant as ASSISTANT PROFESSOR of GENMAN Commonctor I July 1977. PhO and nitrolly a possing inbility against a light-contary lijoralure and/or in icarding of language and translation. Expected floor galery \$16,800 per apailing Preference will be given in Canodians. Compatilion of Canodians. Compatilion and 31 March 1977 or whee position Ullod.

Apply to: Michael Redley, Chalmaco, Dopi, of Cormonic Linguistics and Literature, University of Victoria, 1.0. Canada Victoria, 1.0. Canada Victoria, 1.0. Canada

LECTURESHIP ASSISTANT LECTURESHIP IN CARE les; 3 LECTURERS In Mathematics. Deperiment of Phyeics 3 LECTURERS In Physice.

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24, 1977. The fullal salary will be within the range £5,445 to 1,7027 per cantum on a scot rising is 27,50 per annum according to qualifications and experience. Applications, together with the names of three referees, should be received not later than Names 9, 1977, by the Haylairer. The University, P.O. tom when further parliculare may be obtained. Quota col.

LONDON THE (INIVERSITY INSTITUTE OF EQUICATION ACADEMIC REGISTRAR

MECHANICAL ENGINEERING

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SHEFFIELD THE UNIVERSITY. OIVISION OF EDUCATION

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· . WARWICK THE UNIVERSITY LECTURESHIP IN LAW Applications org Ir slied tor a technically in the actions in Law, lendable from Cicloner 1 1977, Apolicania with special interests in any lists of law will be considered. Initial salary within the first four noints of the Lacturer Braio: 12.5.73 by 1214 to 25.577 or annum with P.S.B.U. U.S.S.

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Fellowships and Studentships

WOLFSON COLLEGE, OXFORD

JUNIOR RESEARCH FELLOWSHIPS Applications are invited from men and women, preferally

(a) About twelve non-silpendiary Juntor Research Fellowships, without limitation of subject, for two years in the first instance, from 1st Ortober, 1977.

(b) A stipendiary Juntor Research Fellowship in Religious Smilles, for three years from 1st October, 1977, or earlier. The person elected will be required to undertake research in one or more of the lithoric religious experience. Stipend not less than 12,542 p.a. with the usual College fuelibries.

(c) A stipendiary Junior Research Fedowship in the History of Philosophy of Schence for three years from 1st October, 1977, or earlier. In History of Science preference may be given to persuas whose source materials are in Oxford. Stipend not less than £2,542 p.a. with the usual College facilities. Further particulars can be obtained from the President, to whom any enquiries should be addressed.

GRADUATE AWARDS

The Chilege also proposes to make a number of Graduale Awards in both arts and sciences for pustgraduate work leading to a higher degree or diploma. Each award will be worth up to £130 p.a.

Further details and a form of application may be obtained from the College Secretary (ref. A).

GERMAN HISTORICAL INSTITUTE-LONDON

The recently established German Historical Institute will award a number of studentships to enable British post-graduate students to pursue historical research in the Federal Republic of Germany.

Applicants attast have completed at least one year's post-graduete research and be studying Germen history or Auglo-German relations. A knowledge of the Germen language is also required. It is anticipated that appli-cents will be working for a doctoral degree. Other paid appointments cannot be held during the tenure of the studentship.

Candidates are expected to spend one year in Germany, though shorter periods will be considered. The audentahip will begin on July 1, 1977. The grant will amount to DM 900 per month.

Prospective candidates should write to the Director, German disturical Institute, 26 Bloumsbury Square, London WCIA 2PN, for opplication forms.

The closing date for the receipt of applications for the 1977/78 studentships in March 31, 1977.

Universities continued

UNITED STATES OF

WEST VILIGINIA UNIVERSITY

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PORTSMOUTH

THE POLYTECHNIC DEPARTMENT OF GLOUKAPIV

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Polytechnics

THE UNIVERSITY SCHOOL OF ELECTRICAL

RESEARCH STUDENTSHIPS Applications are invited from inal-year students and graduous who wish to undertake of NISC search leading to the control of t

CAMBRIDGE THE UNIVERSITY CLARE HALL

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COUNTY OF CLEVELAND THE POLYTECHNIC

Appointment of

Polytechnics

Director Designate

Applications are invited from persons with proven acudomic and/or industrial experience and administrative ability for the post of Director of the Polylechnic, the institution of higher education in Cleveland which is to be formed from the merger of the Tecaside Polytechnic and the Tecaside College of Education. The turnel date for the merger is January, 1978, and the Authority intends to till the post as soon as pos-sible so lligi the person appointed can tuke full part

in the planning process. The Appointing Committee will include representativen of the Governors of the Tesaside Polytechnic. The Governors of the Tesaside Gollege of Education, the Gleveland Education Committee and two representalives from the ecedemic world.

Salary Scale: £12,180

Application forms and further particulars may be obtained from the County Education Officer, Education Offices, Woodlands Road, Middlesbrough, Clevelond, 7S1 3BN. The closing date for epplications is 25th Fobruery, 1977.



City of Birmingham Polytechnic

DEPARTMENT OF CONSTRUCTION AND SURVEYING

Applications are invited for the post of

Head of **Department** (Grade V)

Salary Scale: £7,395-£8,271+£312

Further details and application forms (10 be rolumed by the 25th February, 1977) from: The Parsonnel Olfloer, City of Birmingham Polylschalo (THES), Room 8.310, Parry Sarr, Birmingham 842

LECTURER GRADE II-SENIOR LECTURER IN BIOLOGY

(£3,279-£5,955) (Bar-£6,417 plus 5312 supplement)
To contribute 1d the teaching of B.Ed. and
B.Sc. students. Research and school teaching
experience an advantage. The oppolarment
will be effective from the beginning of the will be execute trum the beginning of the summer term.
Further details and form of application from The Cirief Administrative Officer, Trent Polytechnic, Burton Street, Nonlinghum NG1 BU. (Tel: 0602 48248, ext. 2059.) Closing dots 21 February, 1977.

TRENT-

NEWCASTLE UPON TYNE POLYTECHNIC Department of Bahavioural Studies

LECTURER II/SENIOR LECTURER IN INDUSTRIAL/OCCUPATIONAL PSYCHOLOGY

Required to the Division of Organisational Behaviour and Industrial Relations. The main teaching dudies of the past Industrial Relations. The main teaching dudies of the past Industrial Relations. Applicants should be well qualified by the past of the past of the Diploma in psychologists with reaching, research and/or industrial psychologists with reaching, research and/or industrial experience. Additional interest in either Evgonomics in Organizational Psychology preferable.

Burnham P.E. Senior Lecturer \$5.031-85.885 (bac) 16,417 [Lecturer II. \$2,279-85,493] [plus \$312 p.a. salary supplication of the plus \$31

Further perticulars and applied on forms, returnably by 25th Pebruary, 1877, please send stamped addressed foolers exclose in Staffog Officer, Newcoste grant Type Polytechnic, Elison Building Pilace, Managagite application New 1887

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Head of Department, Grade VI: £8,037-£8,913 plus appropriate London Allowance and appropriate proportion of C312 aupplement) Fulhor dolais and application local from Senior Stating Officer [2] North East London Polytichnic, Farey Rono London E17 US foliphorie; 01-527 2272, ext. 20 Completed applications to be returned by fall Moroh, 1977. Please quote above colorance number.

North East London Polytechnic

Colleges and Institutes of Technology

Palsiey College Department of Chemistry

Lecturer in Applied **Chemistry Chemical Technology**

Applications are layled from sortable qualitied persons for the above now I forces will include becoming in the general area of clienteal, techniclose, including and operations to degree disdouting the Technists. Preference will be given by phicaris with some years individual experience and with an interest of environmental protection, payment beliableg our other telesion operations. In addition the appropriate will be expected to understable research work to an appropriate both

Salary ocole, Leoturer 'A', £3,529 to £8,807 Further particulars trav be obtained from I stablishment Section, Parder Police of Treingology, High Street, Parsky PAI 281, with whom applications, Including a list of publications and giving the manes and addresses of two telesces, should be holged before Ist April, Pierro again ref. THES121.

Administration

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THE ASSOCIATED EXAMINING BOARD

STATISTICS **OFFICER**

Applications are invited for the post of STATISTICS OFFICER in the Statistics, Department of the Research and Statistics Division at the Board's offices in Aldershot, Hampshire. The Department is concerned primarily with the templication of data releting to GCB examinations, the preparation of these data for publication and the provision of statistical services generally within the Board. The Statistics Officer, as Head of the Department, is responsible to the Director of Research who is Head of the Division.

Applicants should be graduates in Mathematics of Statistics and hove a sound knowledge of computing tecluriques. Experience in the application of suitatical techniques in the field of education would be adventions.

This eppointment will be on a salary scale of £4.811 by seven entined increments to £6.239 per oncum, i.e., urigated with the Association of University. Teachers' scale points 8 to 15. The starting point on the scale will depend on ago, qualifications and experience. Further Information, together with an application form, may be obtained from The Personnel and Services Mouager, The Associated Exemining Board, Wellington House, Station Itoad, Aldershol, Hampshire GU11 1BQ, to whom completed forms of synthetic must be retarned not later than Friday, March 4, 1977.

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Department of Art

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Applications (no forms; with the nature of two references, to the Principal Loughagerugh Callege of Act and Dasign, fartnoor, Louch of Loughagerugh Louch, ob soon as Roseltic.

Colleges of Further Education

Microbiology and Siconomistry Electrical and Electronic

STRATHCLYDE REGIONAL COUNCIL : DEPARTMENT OF EDUCATION

FURTHER EDUCATION

Applications are invited for the undernoted posts. All candidates should have relevant industrial or communical separations where appropriate. Tagobor its single would be an advantage but inclining will be given on an in-source best it necressity.

Glasgow College of Technology, Cowcaddens Road, Glasgow G4 0BA To toach and to help in the development of courses up to the lovel of honours degree. *Sen Leci. ' A ' Industrial Economics/ Managorial Economics Industrial Economics/ Managarial Economics

Honours graduates with rolovant post-graduate qualifica-tions and experience in one of the following subject

See above.

No Osgres or equivalent quolification in Electrical Engineering or Physics to read for Environmental Banoing Osvicas or Electronic Otsplays (particularly liquid Crystols) or Energy Engineering or Microprocessors.

SALARIES. The promoted post structure in F.E. Colleges to presently under review.

"SENION (ECTUDER: A. £6,512 to £7,047 lbt.) to £9.028 [unit] the Government pay policy afformation of the respectively to BLA posts but will be paid magnitime of the Lact. A. salary scale).

LECTURER: A. £3.528 to £6,324 (bar) to £8,807

1. The Research Assident will be paid 50 per cent of the appropriate point of the Lecturer 'A' ocole.

Placing on adapt scales will be given for relevant experience.

Forms of application and further particulars can be obtained from the college concerned to whom completed application forms enough be returned not later than Fabruary 26. 1877. EGWARG MILLER, Giracior of Education

NORTHERN IRELAND

Western Education and Library Board Londonderty College of Technology

Principal

The post will become vecant on 1 September. 1977, on the retirement of Mr. T. Williams. This is e Group 5 college and salery will be in the renge £9,459-£9,969 per annum.

Further particulers and application forms are avoil-able (on receipt of a stamped addressed looiscep enve-lope) from the Chiel Officer, Western Education and Library Goard, Readquarters Offices 1 Manual Devices Board, Headqueriers Offices, 1 Hospital Road, Omegh, Co. Tyrenc, 8T79 0AW.

Closing data for the receipt of applications : Monday, 26 February, 1977. Canvaseing disqualifies.

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Colleges of Higher Education:

KENT Cinust Cilculcif College Canterbury

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Colleges and Institutes of Technology

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Applicants must have a good honours degree in sulleble subject and a thorough knowledge of Walsh English le ossenlist.

The selery scale will be £7,455 x 3 ennual increments-69,122 per ennum and a contributory superennu

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OXFORD : EXAMINATIONS CENERAL CERTIFICATE OF

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PRANCE:

KEEPER OF PRINTS

The person appointed will be expected to enter upon the duties on 1st September, 1977.

Further details and application forms may be oblained from: the Decretary of the Library at the above added and applications must reach the Librarian not later that Saturday, 19th March 1877.

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Courses

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THE TIMES HIGHER EDUCATION SUPPLEMENT 11.2.77

Lecturer in **Applied** Plant Ecology

Lecturer I \$416,314. to \$418,389 per annum

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The lecturer will have responsibility for the continuing development and teaching of plent acology in e breedy beesd Dapartment concerned with sovironmental biology. The Department of Diology and Environmental Science is well equipped for Amyletion, experimental and field studies and operates a field stellen. Research and consultation are sneouraged.

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Appointment will bis mede to sither the Lacturer or Lacturer II ranges depanding upon quelifications

Further information evalleble from Agent-General for Queeneland, 392 Strend, London WC2R 0LZ, to whom application must be sent by 25th February, 1977.

MELBOURNE STATE COLLEGE a position of

Senior

is avelleble in the Department of Spacial Education at Melbourne State College In Victoria, Australia Tha position is aveilable from September 1, 1977

and has e Commercing selary of \$18,795 (Aust.) Some removal expensas ara payable The eppointse will teech in a graduete course and will be primarily concerned with teaching n the area of diegnosis and remediction of eaming disabilities; other duties will include the supervision end guidence of precticum nvolvements with learning disabled children and adolescents, and tutoring in the erees of mental and physical hendicap. Applicants should have a doctorate with etudies in the above eress of concern, demonstrated classroom instructional ebility, and tartiary teaching experience. Scholerly epplied research and effactive professionel leadership skills

are important. Further details are available from the Stall Officer, Melbourne State College, 787 Swenston Street, Melbourne, 3653, Victorio, Australia, Applications close on March 31, 1977.

PROPOSED NOTICE OF VACANCY Geography: Chairperson

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